

FEBRUARY 1959

# *The* **School Executive**

## **SPACE FOR INDIVIDUAL LEARNING - A SKETCHBOOK**



on pages 43-58

*also in this issue:*

**INDIVIDUAL  
QUEST**

convention previews . . . 7, 19, 77  
libraries at work . . . 62, 64  
answers to criticism . . . 66

ce . . . 69, 71, 72

MR. EUGENE B. POWER  
UNIV. OF MICROFILMS  
313 N. FIRST ST.  
ANN ARBOR MICH.  
COMP

IT'S  
**SUPERIOR**<sup>®</sup>

**indoors...  
outdoors**



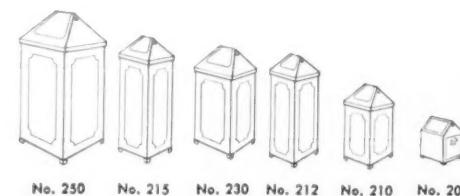
New easier-to-use top, eye-catching design and Superior construction invites cleanliness and cuts cleaning costs.

Exclusive new top with two full-width flaps that swing in to keep rain out. Flaps swing independently for safe, easy waste disposal. Hinged top folds back for easy emptying and is interchangeable with existing tops. Stainless steel legs prevent floor damage and rusting. Flaps available in stainless steel or painted steel in choice of colors.



**JOHN WOOD COMPANY**

Superior Metalware Division • St. Paul, Minn.



No. 250   No. 215   No. 230   No. 212   No. 210   No. 203

A complete line of quality receptacles for long life and low maintenance cost.

- Flaps swing in to keep rain out
- Modern design fits any location
- Colors to match any decor
- Hinged top
- Easy to empty
- Rust resistant
- Long life



**JET**

Only self-closing receptacle that opens from any direction

Superior manufactures wire crates for paper and glass bottles • milk cans • cream cans • hooded and open pails • strainers • other metalware for the Dairy Industry and Solar-Superior waste receptacles

# The School Executive

FEBRUARY 1959

Volume 78

Number 6

## Editorial

### 7 AASA—Progress and Problems

Reflections on the eve of the annual convention.

WALTER D. COCKING

## Green Sheet

### 19 Everything from Books to Buses

Preview of the 774 exhibit booths at the Atlantic City AASA convention.

SHIRLEY COOPER AND MARGARET IRMINGER

### 22 Building Costs and Bond Prices

Both on the rise.

HAROLD F. CLARK

## Special

### 43 Space for Individual Learning

CHARLES WM. BRUBAKER AND LAWRENCE B. PERKINS  
A 16-page sketchbook prepared by an architectural firm to meet this educational problem: to design space to stimulate individual learning. The result is an educational environment that could be tomorrow's secondary school.

## Articles

### 24 "I'm a Taxpayer"

What to do when parents insist on keeping a handicapped child in school.

MORRIS HAMBURG

### 59 Don't Teeter on the Totter of Indecision

Root your decision-making in basic, constant values.

VAN MILLER

### 62 Central Library on a Low Budget

With tips on planning, staffing—and sharing.

W. AMOS KINCAID AND MAMIE J. INGRAM

### 64 Put Your Elementary Library to Work

A well-stocked library is the heart of a good school. The author tells how it can aid teachers and teaching.

BEN HARRIS

### 66 Here Are Your Answers to School Criticism

A point-by-point rebuttal.

CECIL HARDESTY

### 69 What's Going on in Guidance?

A report on guidance practices in 52 city school systems.

THOMAS GOEDEKE

### 71 Guidance Bookshelf for School Administrators

A handy list of selected references.

HERMAN PETERS

### 72 Motivation—Key to Guiding the Gifted

WAYNE McNALLY

### 74 Where's Your Waste-line?

A lady school board member dons a chemise to make a point on school planning.

MRS. EDWARD MOOMAW

### 75 Status Report on District Reorganization

Where decreases mean progress.

HOWARD A. DAWSON  
AND ROBERT M. ISENBERG

### 77 Schools and the Social Change

Preview of the latest AASA yearbook.

ZENO KATTERLE

## Lunch

### 136 Teacher Aids for Noon-hour Activities

Delmar, N. Y., plan gives teachers an hour of freedom.

HAMILTON BOOKHOUT

## Cover

Sketches from the Sketchbook show the Q-space (explained on page 44) as the hub of learning activities.

Contents continued 

WALTER D. COCKING, Editor

L. Karen Beach, Associate Editor  
Ethel M. Malvik, Assistant Editor  
Patricia Doyle, Assistant Editor  
Edna M. Mittleman, Assistant Editor

MATTHEW J. PILLARD, Managing Editor

Eleanor Donald, Secretary, Research Division  
Belmont Farley Washington Correspondent  
Harold F. Clark, Economic Analyst

N. L. ENGELHARDT, Consulting Editor

Henry E. Sallech, Art Director  
Helen E. Weyl, Production Manager  
G. W. Harris, Director of Circulation



*For Vivid Presentation of Visual Material . . .*

**There's Nothing Like a SCHOOL MASTER**

**Filmstrip and Slide Projector**

The Graflex SVE School Master gives screen brilliance unapproached by any classroom projector of like rating. New Tru-Focus projection lamps in combination with precision-ground optical systems and lenses put on the screen all the brilliance of which the lamp is capable.

School Master projects filmstrips or 2" x 2" slides with equal facility and efficiency. The change from one to the other is made in seconds without tools and without adding or removing parts. Built-in remote control permits operating the projector from a distance—from the front of your class, for instance.

Handy built-in carrying handle facilitates transportation from one classroom to another. Threading and framing is easy. The optical system removes as a unit for cleaning. A powerful 4-blade fan assures cool operation. While a 5", f/3.5 projection lens is standard, others are available to match image size to any projection distance.

**PRICES**

School Master 750 (750-watt model—Cat. No. 3828) \$99.50; the 750 RC (750-watt model with remote control—Cat. No. 3826) \$134.50; and the accessory Rewind Take-up (Cat. No. 3880) shown attached in the illustration above is only \$7.50.

The School Master 500 (500-watt model—Cat. No. 3809) \$84.50; and the 500 RC (500-watt with remote control—Cat. No. 3808) is \$119.50. Both models accept accessory Rewind Take-up.

For additional information, write Dept. SE29 Graflex, Inc., Rochester 3, N. Y.  
A Subsidiary of General Precision Equipment Corporation.  
Prices subject to change without notice.



## Editorial Advisory Board

Terms Expire December 31, 1959:

**Russell T. Gregg**, Professor of Education, University of Wisconsin, Madison

**L. D. Haskew**, Vice President and Dean, College of Education, University of Texas, Austin

**Edgar L. Morphet**, Professor of Education, University of California, Berkeley

**Truman M. Pierce**, Dean, College of Education, Alabama Polytechnic Institute, Auburn

**G. E. Rast**, Superintendent of Schools, Westport, Connecticut

Terms Expire December 31, 1960:

**William E. Bishop**, Superintendent of Schools, Englewood, Colorado

**Harold B. Gores**, President, Educational Facilities Laboratories, Inc., New York, N. Y.

**Van Miller**, Professor of Education, University of Illinois, Urbana

**L. H. Shepoiser**, Superintendent of Schools, Wichita, Kansas

**Earle W. Wiltse**, Superintendent of Schools, Grand Island, Nebraska

Terms Expire December 31, 1961:

**A. D. Albright**, Executive Director of Extended Programs, University of Kentucky

**Daniel R. Davies**, Professor of Education, Teachers College, Columbia University

**Cecil D. Hardesty**, Superintendent of Schools, San Diego County, California

**Cyril G. Sargent**, Professor of Education, Graduate School of Education, Harvard University

**Grant Venn**, Superintendent of Schools, Corning, New York

Terms Expire December 31, 1962:

**James W. Bushong**, Superintendent of Schools, Grosse Point, Michigan

**W. W. Caudill**, Architect, Caudill, Rowlett, Scott and Associates, Corning, New York

**John E. Corbally, Jr.**, Coordinator, The Ohio State University, Columbus

**John E. French**, Principal, North Shore High School, Glen Head, New York

**R. O. Nelson**, Superintendent of Schools, Newport News, Virginia

Terms Expire December 31, 1963:

**Jack A. Culbertson**, Assistant Professor, University of Oregon, Eugene

**Victor R. Cullens**, Superintendent of Schools, Ephrata, Washington

**John H. Fischer**, Superintendent of Schools, Baltimore, Maryland

**T. A. Roach**, Superintendent of Schools, Andrews, Texas

**Archibald B. Shaw**, Superintendent of Schools, Scarsdale, New York

**American School Publishing Corporation**,  
a subsidiary of **Buttonheim Publishing Corporation**  
Associated Publications

## The School Executive

CONTENTS continued

### News

#### 12 Washington Scene

#### 78 Spotlight—News of the Educational Field

### Departments

9	Keynotes	143	New Product Reviews
126	Conference Calendar	162	Audio-Visual Aids
130	Professional Library	166	Manufacturers' Catalogs
132	Pamphlets of Interest	170	New Textbooks
		172	Index to Advertisers

### PREVIEW OF MARCH

The March issue of THE SCHOOL EXECUTIVE will feature a thorough and much-needed analysis of air-conditioning for schools and colleges. Should the new educational buildings this country needs be air-conditioned? In whole or in part? To find the answers we have turned to those who are in a position to speak from their own experience. You will find the views of a school staff which is now operating an air-conditioned building, and the advice that one firm of architects gives to its clients. An engineer reports on the technical aspect of air-conditioning in non-technical language. A school building specialist looks ahead to future uses of air-conditioning in school buildings. Finally, a businessman explains why industry and business air-condition most of the new buildings they construct.

—WALTER D. COCKING, editor

### Editorial and Executive Offices

**470 Fourth Avenue, New York 16, N. Y., Murray Hill 5-9250**

**Edgar J. Buttenheim**, Chairman, Board of Directors

**Prentice C. Ford**, Publisher

**Craig F. Mitchell**, Assistant Publisher

**G. E. Carney**, Treasurer

**Frank H. Laavy**, Secretary and Advertising Manager

**Charles Mitchell**

### Branch Offices

**Chicago**: Daily News Bldg., Chicago 6, Ill. Financial 6-4611.

**Frank J. Raymond**, Vice-President

**John A. Raymond**, Western Adv. Mgr.

**James F. Murphy**

**Cleveland**: 815 Superior Ave., N.W., Cleveland 14, Ohio. CHerry 1-1755.

**Frank E. Smith**

**Los Angeles**: 1870 Hillhurst Ave., Los Angeles 27, Calif. NOrmandy 5-5143.

**Albert T. Miller**

**James Stack**

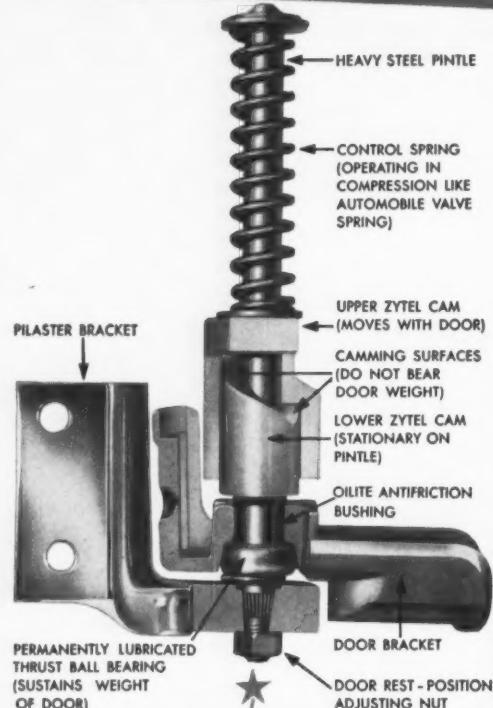
**Tennessee**: 121 N. Hermitage, Lookout Mountain, Tenn. TAylor 1-2853.

**Curtis R. Buttenheim**, Southern Sales Mgr.

THE SCHOOL EXECUTIVE is published monthly by the American School Publishing Corporation, a subsidiary of Buttenheim Publishing Corporation, 470 Fourth Avenue, New York 16, New York. Edgar J. Buttenheim, Chairman of the Board; Prentice C. Ford, President; Frank Raymond, Vice-President; Frank H. Laavy, Secretary; G. E. Carney, Treasurer. Entered as second-class matter at the Post Office at Lancaster, Pennsylvania, under the act of March 3, 1879. Subscription rates: United States and Canada—1 year, \$5.00; 50¢ per copy; back or reference issues \$1.00 per copy. Other Foreign Countries—\$8.00 a year. Member of "Audit Bureau of Circulation" and Educational Press Association. Microfilms, University of Michigan, 313 N. First Street, Ann Arbor, Michigan. Copyright, 1959, by American School Publishing Corporation, 470 Fourth Avenue, New York 16, New York.

EDUCATIONAL AMERICAN SCHOOL BUSINESS AND UNIVERSITY American City Index Municipal Contractors and Engineers MARY

## UNRESTING

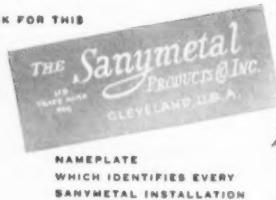
Sanymetal<sup>®</sup> ENGINEERINGAGAIN  
IMPROVESthe most satisfactory  
toilet compartment hinge there is1,000,000  
over 301,000 cycles  
of operation without  
appreciable wear

Zytel cams, more durable than steel, smooth as polished ice, give the new Sanymetal "7950" Controlled Gravity Action Hinge smooth, positive action, long life.



Tested, with standard door under actual operating conditions, the new Sanymetal "7950" Hinge showed no appreciable wear of operating parts after opening and closing over 1,000,000 times!

LOOK FOR THIS

Sanymetal<sup>®</sup>

PRODUCTS COMPANY, INC.

1711 Urbana Road, Cleveland 12, Ohio

Representatives in all principal cities • In Canada: Westeel Products Ltd., Montreal, Toronto, Winnipeg





## AS I SEE IT

by *Frederick W. Cooley*

# AASA—Progress and Problems

**S**CHOOL ADMINISTRATORS, many accompanied by board members and associates, soon will wend their way to Atlantic City to participate in another annual convention of their professional organization, the **AASA**. This largest meeting of educators is a truly stupendous event. Attendance is approximately 20,000. More than 50 other organizations and groups closely related to school administration conduct important "side shows." The exchange of views, the challenge of new ideas, the glow of being a part of this group—these are some of the resulting feelings for each member. This important conclave provides the "motif" for this month's *As I See It*.

As 1959 gets under way, the **AASA** is confronted with tremendous opportunities and likewise with equally important responsibilities. It also has a background of solid and continuing achievement. The **AASA** exists primarily so that school administrators in the 49 states, in large and small communities alike, may possess a common meeting ground, may consider together the problems and issues connected with improving the effectiveness of our schools, may speak with one voice and take joint action on the big issues of the times.

The Association has been very wise as well as fortunate in the personnel of its secretariat. It has had only three full-time executive secretaries: S. D. Shankland, the great organizer; Worth McClure, the brilliant developer; and the present secretary, Finis Engleman, the educational statesman. These men have built an organization in which the Association can take great pride.

**D**URING THE YEARS of the Association's life, it has many achievements to its credit. Let's look at some of them. A majority of chief school administrators are regular and continuing members of the Association. The annual convention is recognized as the most important as well as the largest educational meeting of the year. The regional "drive in" meetings of administrators have done much to weld administrators together and to establish a common program of action. The yearbooks (37 in number) outlined and published by the Association have had much to do with shaping the actions and beliefs of the profession. The effort of the Association during the 1950's to improve school administration has resulted in obtaining from the W. K. Kellogg Foundation grants totaling approximately \$6 million to promote studies to

this end. The sifting and screening process carried on by an able Commission of the Association under the brilliant leadership of Hollis A. Moore, Jr., has resulted, among these contributions, in the publication during 1958 of *Something to Steer By*. The 35 proposals contained in the bulletin are before the Association this year.

Important and constructive as the past history of the Association has been, even more important issues, responsibilities and challenges lie ahead. As I see it, the goals of education have to be defined with much more exactness. The structure of the educational system has to be reframed. A more competent leadership has to be recruited and prepared for the work which is ahead. The curriculum of schools and colleges must be studied and remodeled. A modern, adequate program for financing our modern public school systems has to be created; tinkering with the old one is not sufficient. Better school and college plants must be planned, designed, constructed. Cooperation must be developed within the educational profession, with other community agencies, business, industry and government. We have to learn how to communicate and be understood, and how to understand others. We have to develop programs for mutual improvement and understanding with the educational systems of other lands.

**P**ROBABLY MOST necessary of all, and certainly most difficult, is for us as individuals and as an Association to reorient our thinking and beliefs with respect to the function and place of school and college in this universe in which man lives and operates which now includes outer space. The stark realities require that we must recast our thinking, procedures, machinery and programs if the school as an institution is to be of use and value. Anyone who has not read Margaret Mead's article in the November-December, 1958 *Harvard Business Review* entitled, "Thinking Ahead—Why is Education Obsolete," should do so at once. It is "must" reading.

In the days ahead the **AASA** as an organization has a tremendous task confronting it. Vision, courage, imagination and realism are needed as never before. The necessity for virile leadership is the greatest in history. We look to the **AASA** for these things. It must not fail us. Each member has a real obligation. In unity there is strength; and never was it more needed.



## Are you doing everything you can to protect your children against fire?

Responsibility for the safety of school children rests with you. Fire drills can train them in orderly withdrawal from buildings . . . if they don't panic. Fire doors can slow the spread of flames . . . if they are kept closed. But only a sprinkler system will automatically detect and stop fire quickly — before it has

time to gain headway. For further information about Grinnell Automatic Sprinkler Protection, and the insurance savings possible, write Grinnell Co., Inc., 277 West Exchange Street, Providence 1, R. I. *Illustrated:* Grinnell Quartzoid® Bulb Sprinkler, most advanced design for speed and dependability.

**GRINNELL**  
FIRE PROTECTION



THE SCHOOL EXECUTIVE

**Lest We Forget**

DECADE after decade, serious disasters with attendant appalling loss of lives have occurred in the nation's school-houses. During the forties a respite seemed to have been accorded, but within recent years the blows have fallen again on unsuspecting communities.

Apparently such potential dangers lurk with greater elusiveness in old rather than newly constructed buildings. Periodic and rigid inspection of all school buildings seems to be imperative. The safeguards of yesterday may not suffice today.

Let no school board rely upon the alibi that is was not

**IN MEMORIAM**

To the children and adults whose lives have been sacrificed in school building disasters:

1908	Collinwood, Ohio	174 lives lost
1915	Peabody, Massachusetts	22 lives lost
1917	Asheville, South Carolina	7 lives lost
1922	Covington, Georgia	2 lives lost
1923	Camden, South Carolina	76 lives lost
1924	Babbs Switch, Oklahoma	36 lives lost
1927	Bath, Michigan	40 lives lost
1930	Troyon, Oklahoma	3 lives lost
1937	New London, Texas	294 lives lost
1954	Cheektowaga, New York	15 lives lost
1957	Mt. Airy, North Carolina	2 lives lost
1958	Chicago, Illinois	93 lives lost

informed. Let every school board insist upon frequent inspection and report on all potential dangers in school-houses. Let every school board make it a positive practice to apply the suggested remedies.

These children, their teachers and parents should not have died in vain. The future record must be kept free from these agonizing school horrors.

N. L. ENGELHARDT, SR.,  
*Engelhardt, Engelhardt, Leggett & Cornell*  
*New York, New York*

**Curriculum Development**

MORE THAN 30 years have gone by since the Denver schools under the leadership of Superintendent Jesse H. Newton instituted a new attack on the curriculum problem. In retrospect, it might be said that Denver, followed quickly by St. Louis and other school systems, instituted three new approaches to curriculum development: use of committees of teachers; a system-wide

study of the entire program, and acceptance of the belief that the curriculum should always be under constant study and revision. Revolutionary in the 1920's, these practices today are accepted and used generally everywhere.

In recent years, many school systems have involved citizens committees in their curriculum development programs. When properly planned and operated such committees are said to have made real contributions.

As research has helped us to understand more accurately how learning takes place and its inseparable relationship to the total growth and development of the individual, curriculum development has become more intricate and complex. For example, our increasing understanding of the effect of the physical environment on people adds much to curriculum development, and also creates problems and issues hitherto unknown. And, too, as we use what is now known to help students adjust to the social and economic conditions of the day, curriculum planning becomes even more complicated and more important.

The continuous study of students and their needs, and the effort of the school to meet those needs in a social milieu which grows more involved every day, point to one of the school's greatest obligations—and one of its greatest opportunities.

**Hats off to Virginia Teachers**

IT TOOK COURAGE—personal and professional—to take the action which Virginia teachers took at their recent state association convention. Probably only those who have experienced the tensions—political, social, economic—which the desegregation problem creates can understand the situation which presently exists in Virginia. The "massive resistance" program of legislation and court action promulgated by the political leaders of the "Old Dominion" to delay and if possible defeat desegregation resulted this past fall in the closing of several schools. Many of the children affected are getting no schooling this year. Other communities later may have their schools closed, too.

Virginia teachers by formal vote requested the Governor to call a special session of the legislature to do whatever is necessary to keep all schools open. Undoubtedly such action would mean, among other things, a repeal of much of the present massive resistance legislation. Thus the teachers of Virginia by an overwhelming vote have taken their stand on the matter of primary importance: keeping the doors of educational opportunity open for all. Congratulations!

Another First!

Erickson presents the new concept of



**NEW 12 FT. SIZE**—Gives you seating-for-eating for 16 youngsters *with trays*. Available with or without benches in both portable and wall models. Wall model features pockets for storing 1, 2, or more.

**NEW 10 FT. SIZE**

Gives you seating-for-eating for 14 youngsters *with trays*. Available with or without benches in both portable and wall models. Wall model features pockets for storing 1, 2, or more.

## *new "One-Fold" portables in 5 sizes...*

### **See for Yourself!** AT THE A. A. S. A.

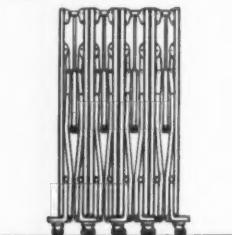
Atlantic City, Feb. 14-18  
Booths 1429, 1431, 1433, 1435  
(Downstairs)

### **ERICKSON MAKES SENSE BY GIVING YOU MAXIMUM USE OF RESTRICTED SPACE**



Floor space is precious, as you well know. Now, with Erickson "One-Fold" tables with benches in five sizes from 6 ft. to 12 ft. you can make maximum use of all available area, including areas heretofore wasted because of pillars, etc.

### **ERICKSON MAKES SENSE BY GIVING YOU EXCLUSIVE "NESTING" FOR COMPACT STORAGE**



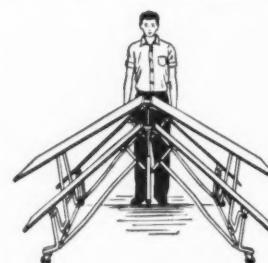
You enjoy efficient multiple use of space around the clock with Erickson portables . . . both in use and in storage. Erickson's exclusive "nesting" feature permits storing, for example, four complete tables with benches in an area less than three feet wide.

### **ERICKSON MAKES SENSE BY GIVING YOU SIZES FOR SMALLER GROUP GATHERINGS**



School leaders asked for smaller sized tables with benches to permit smaller group gatherings, particularly for junior and senior high students and faculty members. Erickson engineering went to work. Smaller "One-Fold" units were born. We want you to see!

### **ERICKSON MAKES SENSE BY GIVING YOU BY FAR THE EASIEST FOLDING**



Never before in the history of portable fold-a-way lunchroom equipment has folding and unfolding been so convenient, effortless and speedy. This is a vital quality that distinguishes Erickson lunchtables . . . to help you achieve maximum utilization of your gym, multi-use room or corridor areas.

### **ERICKSON MAKES SENSE BY GIVING YOU UNOBSTRUCTED WALK IN . . . WALK OUT DESIGN**



Here's advanced styling for better appearance with special convenience especially appreciated by girl students and women teachers. In Erickson there's no compromise with quality. You get bonus features such as high pressure plastic tops and benches for cleanliness and lifetime service.

## seating-for-eating



### NEW 8 FT. SIZE

Gives you seating-for-eating for 12 youngsters *with trays*. Available with or without benches in both portable and wall models. Wall model features pockets for storing 1, 2, or more.

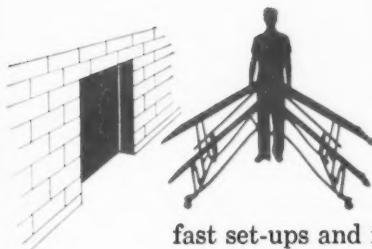
### NEW 7 FT. SIZE

Gives you seating-for-eating for 10 youngsters *with trays*. Available with or without benches in both portable and wall models. Wall model features pockets for storing 1, 2, or more.

**NEW 6 FT. SIZE**—Gives you seating-for-eating for 8 youngsters *with trays*. Available with or without benches in both portable and wall models. Wall model features pockets for storing 1, 2, or more.

## *new "One-Fold" wall tables in 5 sizes*

### *Erickson MAKES SENSE BY MAKING THE MOST OF YOUR MULTI-USE ROOM!*



Erickson, the name you associate with efficient fold-a-way lunch-tables, brings you another important advancement in seating for eating. Here are new portables and new wall tables, with or without benches, in five different sizes, each with "One-Fold" action. Now, the Erickson way of solving your lunchroom problem makes more sense than ever. Here's the ease of operation you need for fast set-ups and fast removal . . . here's the only *complete* selection of sizes to best solve your particular problem in any area no matter how cramped or restricted it may be . . . here's extremely efficient equipment for smaller group gatherings, especially suited for junior-senior pupils and faculty. Here, too, is the unequalled Erickson reliability you expect from the leader of the field. Let us send you details!

EARL BRYANT

fast set-ups and fast removal . . . here's the only *complete* selection of sizes to best solve your particular problem in any area no matter how cramped or restricted it may be . . . here's extremely efficient equipment for smaller group gatherings, especially suited for junior-senior pupils and faculty. Here, too, is the unequalled Erickson reliability you expect from the leader of the field. Let us send you details!

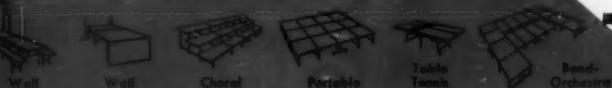


**Erickson** PRODUCTS  
FOR EFFICIENT  
MULTI-USE  
OF SPACE

**H**ALDEMAN **H**OMME MFG. CO.

Dept. SE-2.

2580 University Ave. So. • St. Paul 14, Minn. • Midway 5-6465



Gentlemen: Please send complete information on

new "One-Fold" portables

new "One-Fold" wall tables

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

SCHOOL \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

## "We raised \$500 in 6 days this dandy candy way"



**Your school, or any group within it, can raise \$300 to \$2500 in four to twenty-one days selling famous Mason 10¢ candy bars**

Mail us the coupon below—filled in with your name and address. Mason immediately sends you candy samples without obligation. You don't risk a cent—you pay nothing in advance. We supply on consignment *your choice of NINE VARIETIES* of famous Mason 10¢ Candy Bars, packed 5 bars in each package. The wrapper is printed with your organization's name, picture and signature at no extra charge. You pay 15 days after receipt of candy. Return what you don't sell. Candy is sold at regular retail price. On every box sold you keep \$6.00 and send Mason \$9.00 (66 2/3% profit on cost). There's no risk! You can't lose. Mail in coupon today for information about MASON'S PROTECTED FUND RAISING DRIVES and samples.



MR. EDWARD STOYE  
Fund Raising (Dept. SE-2)  
Mason, Box 549, Mineola, N.Y.

Gentlemen: Please send me without any obligation, samples and information on your Fund Raising Plan.

NAME \_\_\_\_\_  
GROUP NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
PHONE \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_

Mason Candies, Inc., Mineola, L.I., N.Y.

## Newsmen Get Russian Reactions

THE SIX OF THEM, with a U. S. State Department interpreter in the middle, sat across a long narrow table from thirty-odd reporters and Washington correspondents. The newsmen had come to the conference to get the Russians' reaction to American education, after a month-long tour that included visits across the continent to universities, city school systems, and one rural school. The educators were in this country in accordance with the U.S.-Soviet agreement for exchange of missions in cultural, technical, and educational fields. They repaid a visit to Soviet educational institutions by a group of American educators, headed by U. S. Commissioner of Education Lawrence G. Derthick, a few months ago.

An uninformed observer might have guessed the confidently and cordially smiling group of men, forty-ish with perhaps one exception, were a commission of American educators representing several areas of schooling, or steps on the educational ladder.

"What did you learn in your investigation that will help you improve Soviet schools?" "What did you see in American education of which you are most adversely critical?" These two questions were barked across the table from the press side almost simultaneously.

"We have kept copious notes of our experience, and will give them careful consideration upon our return," answered Dr. Aleksei Ivanovich Markushhevich, first assistant minister of education of the RSFSR, through the very capable interpreter.

If this was an evasive answer, it was the only one of that character given. With great affability, and insistence that they held only admiration for the overall picture they had had of American education, they re-

**national's  
EVERBRITE  
WAX  
for all  
floors**



National's EVERBRITE WAX can be used on any type of floor. EVERBRITE contains more rich Carnauba wax than the average self-polishing wax and dries to a high luster without buffing. It flows evenly and leaves no streaks or high spots. The hard, dust-resistant surface will withstand many damp moppings, yet it can be easily removed. EVERBRITE is anti-slip. EVERBRITE bears the Underwriters Laboratory Seal of Acceptance. Use National's EVERBRITE for all waxing.



**national**

DISINFECTANT COMPANY  
2417 Commerce, Dallas  
906 S. Seventh, St. Louis

sponded to the second question in the spirit in which it had been asked. But, "if we talk about defects, we consider this one of the attributes of friendship." And somehow you felt that they meant it.

There was high praise for buildings, equipment, school shops, "dedicated teachers," and the general public interest in education. They expressed a belief that their tour was not confined to "top-bracket" situations, and that the samplings offered to them were truly representative.

If there was any criticism that might be classed as comprehensive, it was the one expressed by Dr. Markushevich that "sometimes in the classrooms here, I had the impression I was looking at a slow-motion film." Perhaps there are few American school teachers who have not sometimes had the same impression.

Specific criticisms—that may or may not be made by American educators—included some familiar charges. The teaching of mathematics is inadequate. Science is introduced too late in the curriculum.

Your correspondent, noting that he had often heard that Soviet secondary school students study harder and go further in mathematics than do the high school students in the U. S., directed to Dr. Markushevich a query about the content of mathematics courses in Soviet schools. "Do you teach calculus, spherical trigonometry, vector analysis in your high school classes?"

Dr. Markushevich, who is a professor of mathematics at the University of Moscow, evidently got this query ahead of the interpreter. He smiled and said the high school math courses were algebra, plane and solid geometry and plane trigonometry. This sounded like the mathematics program in Any High School, U. S. A. and at least qualifies the claim that Soviet high school students "go further" in mathematics than our own high school students. Whether they "work harder"—or why—was a question that offered so little possibility of an objective reply that it was not asked. Perhaps a significant answer can be found in the Doctor's statement that *all* high school students are *required* to take



### Heat Alone Is Not The Answer

#### Air Must Be Fresh, Clean, Invigorating

That's the way the Electromode Heater-Ventilator solves the problem. It is designed for those locations, where in addition to heat to maintain desired inside temperature, a positive circulation of outside air for ventilation is required at times.

The unique design affords circulation of a fixed quantity of filtered tempered outside air for ventilation when desired. Air is circulated by a quiet blower with remarkably little variation in outside air quantity under extremes of dirt loaded filter.



#### ELECTROMODE RADIANT CABLE

Here the Electromode Electric Heating Cable keeps the floor comfortably warm during rest period of a kindergarten class. The cable may be installed in concrete floors, or plastered or drywall ceiling construction. It is completely safe, silent, and controlled by wall-mounted thermostat.

DETAILED SPECIFICATIONS AND  
ENGINEERING HELP GLADLY GIVEN

**ELECTROMODE**  
Division Of  
COMMERCIAL CONTROLS CORPORATION

Dept. SE-59  
Rochester 3,  
New York

#### NOTE THESE BENEFITS

- ✓ Eliminates cold spots and/or hot spots.
- ✓ Distributes heat evenly to all parts of room.
- ✓ Eliminates drafts along floor.
- ✓ Stops window downdrafts.

### WORLD'S Safest HEAT

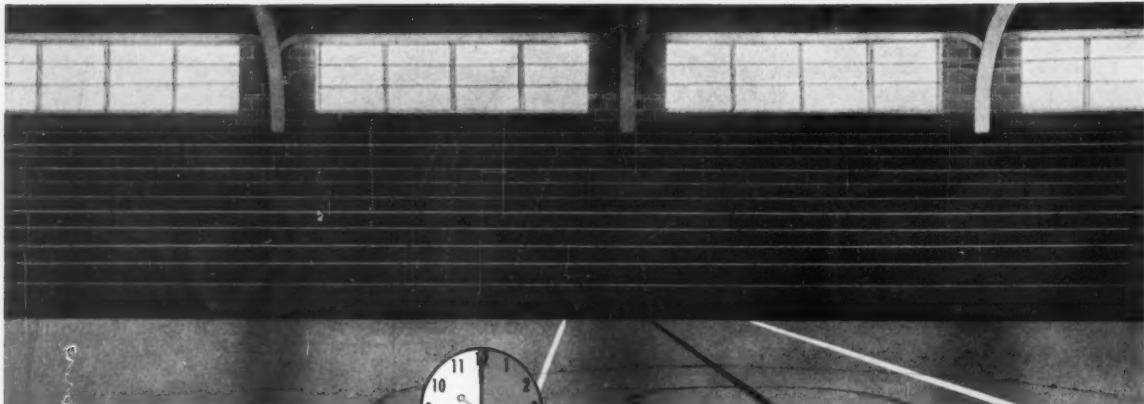
The importance of safety cannot be over-emphasized, especially where children are concerned. The Electromode exclusive design Safety Grid heating element offers the most reliable and safest heat source. All electric wires are insulated and embedded within a finned aluminum casting. There is positively no danger of fire, shock or burn.

#### WRITE FOR FREE BOOK





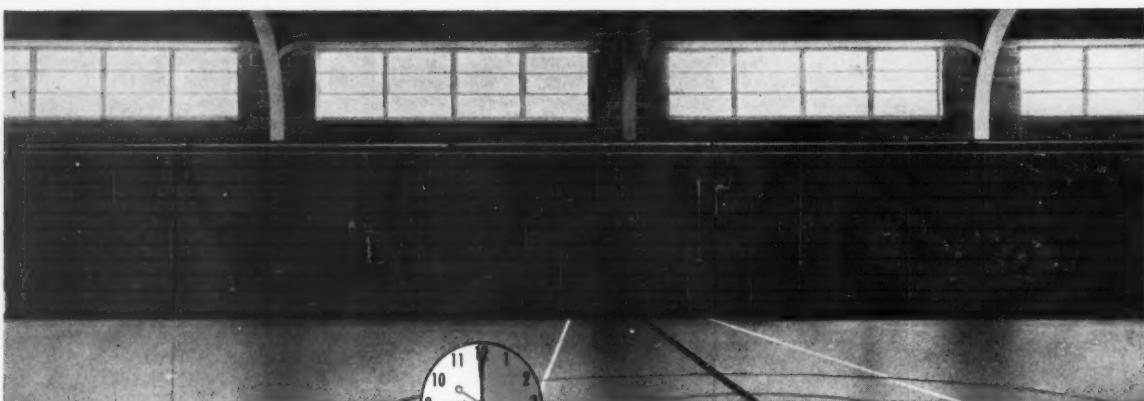
## POWER OPERATION makes sense in gym seats!



Crystal City High School  
Crystal City, Missouri

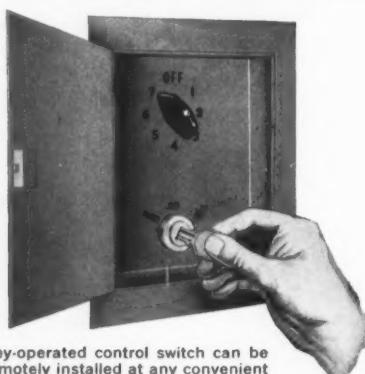


**Opens in seconds**—at the turn of a key! No muscle power, no binding, no noise, no damage to seats, walls, floors. When all seat rows are not required, movement stops instantly by release of control key, with seats locked immovably in position. Movement stops automatically when seats are fully open or closed.



**Closed in seconds**—just as smoothly, quietly, safely as opening operation.

Medart Power Operation can be inexpensively installed on Medart Seats already in service.



Key-operated control switch can be remotely installed at any convenient location in gym which allows full visibility of seats.

# MEDART

TELESCOPIC GYM SEATS

SPECIFY the best, then INSIST on it!



FRED MEDART PRODUCTS INC. • 3534 DE KALB STREET • ST. LOUIS 18, MISSOURI

these subjects, which constitute a "full course in high school mathematics."

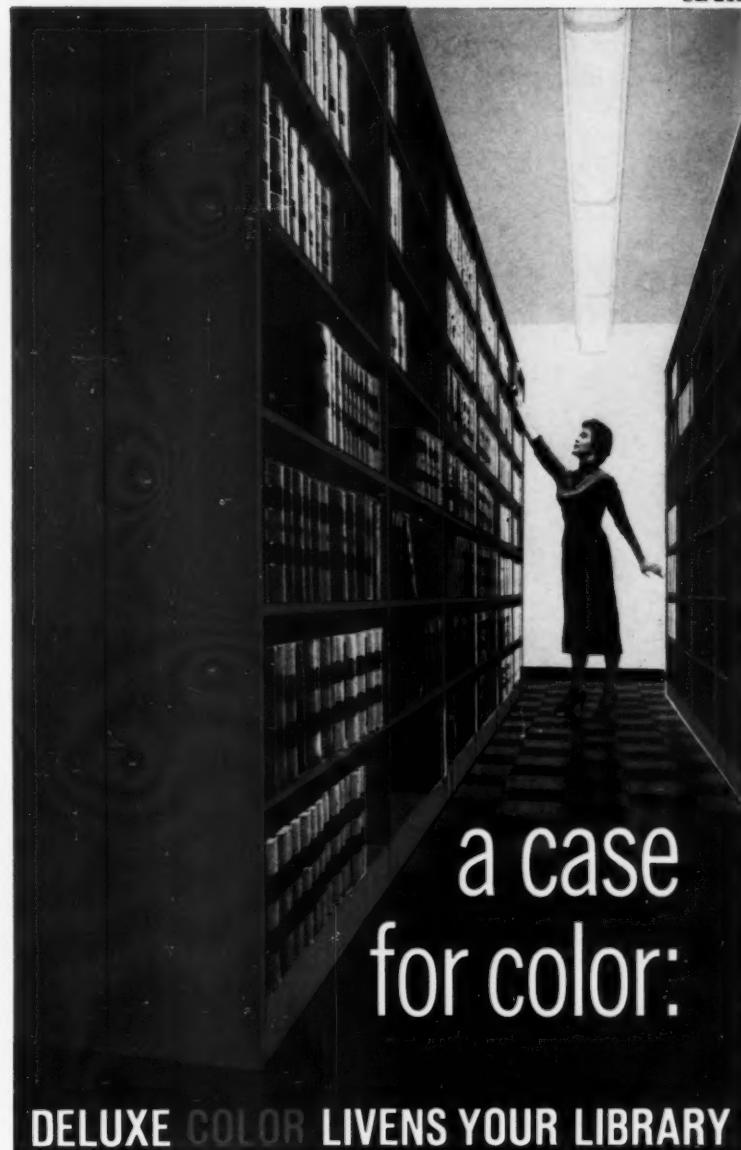
No one questioned what claims have been made for "speeding up" the rate of learning, after an observing reporter noted that a six-day school week for ten years was exactly equivalent in school days to a five-day school week for twelve years.

Chemistry begins in the seventh grade in the Soviet schools, continues through the tenth. Physics begins in the sixth grade and continues through the tenth. For both mathematics and science, the Russians claimed for their courses "more practical problems" than those assigned in U. S. schools. They described how these were put to use in the part-time courses in industry in which some high school students engage.

There are omissions, too, in literature, the Russians think. Dr. Markushevich said he was astonished when he asked an American high school student what French literature he was studying, and found that the student had never heard of Anatole France, Gustave Flaubert, Stendahl, and other notables of 19th century French literature.

Most of the answers from the other side of the press table were brief and succinct, but when Dr. Anatolii Smirnov, who bears, as one of his titles, Director of the Scientific Research Institute of Psychology of the Academy, was asked what he thought of psychological tests, he answered with a lecture. The answer was, "They are virtually useless; we don't give them." Such variety in answers is not unknown among American educators.

After an hour of conference that could not be called other than informative, patient and polite, Dr. Markushevich said, "I want to emphasize again that, on the whole, our general impression of American schools was most favorable," and the group took leave for a tour of the new NEA Educational Center. Their American itinerary closed in New York City, where they left via Sabena Airlines for Brussels and Moscow.



## a case for color:

### DELUXE COLOR LIVENS YOUR LIBRARY

Building a new library? . . . modernizing the old one? . . . adding new shelf space? Pick a color for your cases . . . pick *Deluxe* library shelving in color . . . and those somber stacks will come to life!

*Only Deluxe shelving combines all these advantages:*

- a wide choice of color—(Sandalwood, Mist Green, Canyon Coral, Office Gray)—142 other colors available to your specifications at slight additional cost.
- Chem-a-Cote\* baked enamel finish—lasts a lifetime
- Modern design with distinctive styling
- Open or closed-back sections

\*The newest development—a phosphatized, chemical undercoating

Choose the ideal setting for your books: ask for *Deluxe* shelving in color. Free catalog on request.

**DELUXE**

**DELUXE METAL FURNITURE CO., WARREN, PA., A division of Royal Metal Manufacturing Co.**  
World's largest manufacturer of boltless steel shelving products

DM-55-04

THIS IS  
**PRACTICAL**  
 MAINTENANCE...



WITH THOMPSON  
*Servisafe* POLES



Only five minutes  
 required to replace  
 burn-out on 30-foot pole!

Maintaining pole-mounted luminaires really is an easy job... with "Servisafe" Metal Poles. All work is accomplished at ground level with a "dead" fixture. As a result, one man can relamp and clean a luminaire with complete safety in any kind of weather. And the only "auxiliary" equipment required is a detachable handline!

Decorative as well as functional, "Servisafe" Poles feature unique advantages that assure peak lighting efficiency with minimum annual cost. Both single and double-arm models of steel or aluminum construction are available in heights up to 35 feet.

FOR SPECIFICATIONS AND PRICES,  
 WRITE FOR BULLETIN PWB-59.

8510-TE



**THE THOMPSON ELECTRIC CO.**

P. O. BOX 873-J

CLEVELAND 22, OHIO

**A healthy mind in a healthy body**

A pre-holiday "National Conference on Fitness of Secondary School Youth" brought 200 school administrators, principals, state and city directors of health and physical education programs, coaches, athletic directors and public officials to the Capital to "set up guide lines for schools to follow in organizing and strengthening health and physical education programs."

Cooperating in the Fitness Conference were the U. S. Office of Education and 15 national professional organizations.

Program participants included Carl A. Troester, Jr., executive secretary of the NEA's American Association for Health, Physical Education and Recreation; Patric O'Keefe, Kansas City, Mo., president of the AAHPER; Wayne O. Reed, deputy-U. S. Commissioner of Education; A. C. McGuinness, M.D., special assistant secretary for Health and Medical Affairs, U. S. Department of Health, Education and Welfare; John Kurtz, professor of Human Development Education at the University of Maryland; and Paul E. Elicker, executive secretary of the NEA's National Association of Secondary School Principals.

The conference closed with a "jury" of school administrators and interested citizens, which considered the proposals made throughout the 3-day meeting.

Discussions were devoted to the refining and strengthening of the programs of health, physical education, athletics, recreation, physical activities for girls, and outdoor education. Need for new action in these fields, members of the conference believe, is found in life in a "space age" which will require healthy, well-balanced, thoroughly-educated citizens.

Conference members were in general agreement that the school year should be lengthened to a full 12-month period as soon as feasible, and that a daily period of physical education should be required of all students.

**SATIN**  
CHROME

FIRST SHOWN BY

*Scholar Craft*<sup>\*</sup>

THE LEADER IN

DURABLE, FUNCTIONAL, MODERN CLASSROOM SEATING.....

**SATIN**

CHROME is a true chrome plated finish, but with low reflectivity, now available on all Scholar-Craft units. It is the latest development by Scholar-Craft, answering your demand for beautiful, maintenance-free furniture.

**ALSO NEW IN THE LINE FOR '59...**

Sturdy plastic seats and backs molded to the same generous posture-control shapes as standard formed plywood. In bright pastel colors compatible with beautiful SATIN-CHROME, Metallic Green, and Metallic Bronze frames.

Call, Wire or Write for  
Complete Details



\*Reg. U. S. Pat. Off.

*Southeastern Metals Company*

P. O. Box 3477  
North Birmingham 7, Alabama

**"GOOD HOUSEKEEPING" IS EASY...**



*Barwise Junior High School, Wichita Falls, Texas*

ON FLOORS OF

*Vina-Lux* VINYL ASBESTOS TILE

Food service areas present complex floor problems to the school designer — problems solved more efficiently by Vina-Lux than by any other type of resilient flooring. Spilled foods, liquids, tracked-in dirt and grime stay on the surface of Vina-Lux — mop away in minutes.

Vina-Lux vinyl asbestos tile has other virtues, too. Its color range answers problems of decor and light reflectance — and its easy cleaning surface saves many maintenance dollars. In 42 new, attractive colors — and five pattern styles. Write for samples and color chart today.



AZROCK FLOOR PRODUCTS DIVISION  
UVALDE ROCK ASPHALT CO. • 521 FROST BANK BLDG. • SAN ANTONIO, TEX.



MAKERS OF VINA-LUX • AZROCK • AZPHLEX • DURACO  
18 THE SCHOOL EXECUTIVE

**On display in the Atlantic City Auditorium**

## Everything from Books to Buses

**At the AASA convention in February, 774 exhibit booths will be displaying items of interest to school administrators. Here is a description of some of the products and services that will vie for your attention.**

by SHIRLEY COOPER and MARGARET IRMINGER

Associate Secretary Editorial Assistant  
American Association of School Administrators  
Washington, D. C.

For five days in mid-February, perennially busy Atlantic City will lend itself to the 1959 annual meeting and work conference of the American Association of School Administrators. Some 20,000 hardworking executives of the education world will gather to hash over and solve problems facing their profession in these troubled times.

An unusually attractive theme this year brightens the serious side of the meeting, however. The ten general sessions, as well as many group sessions, center around "Education and the Creative Arts." There color and beauty reign supreme.

There is another very lively section where excitement and brilliance punctuate the scene. Two great display floors of the Atlantic City Auditorium house the 774 exhibit booths where 459 firms set out their products and services. Everything from books to buses, from tests to tractors awaits examination and judgment. Here is where the school man comes to look over what's new and useful on the market.

So vast is this expanse that members must pick what they will see from the directory which breaks the exhibits into general categories. The immediate needs of their own schools must dictate how the school administrators budget their time and attention.

The overall picture on these floors is one of endless questioning and answering, testing and sampling through which the administrator walks for the single purpose of seeing, comparing and learning for the betterment of his school program.

No. 172. Reprints in quantities of ten or more may be purchased from The School Executive, 470 Fourth Avenue, New York 16, New York. 10 copies for 1 month: \$1.00, for 12 months: \$10.00; 25 copies for 1 month: \$2.00, for 12 months: \$20.00; 50 copies for 1 month: \$3.00, for 12 months: \$30.00; 100 copies for 1 month: \$5.00, for 12 months: \$50.00.

Planning such a vast exhibit is no small matter. In 1924 an organization called the Associated Exhibitors of the National Education Association was formed to resolve issues concerning the set-up of the exhibits. Procedures and standards have evolved over the years as required by AASA's rapid growth.

Both AASA and AE were vitally interested in achieving the highest standards in exhibit operations. The result was the adoption by the AE of a Code of Ethics that outlined the principles upon which member companies would operate.

High goals serve as an incentive, and the convention exhibit today reflects the objectives set forth in the Code of Ethics. The exhibitors pledge themselves to truth, honesty, quality products, fair business relations, frank exchange of ideas, cooperation with educational associations and journals, and sound salesmanship. When the school administrator examines these products, he knows that he will be met straightforwardly by the company representative who attends the booth, answers questions, gives explanations and offers detailed literature. He knows also that AASA admits to the convention only those exhibits which have implicit educational value.

AASA has released much material to its members noting the value of attending the exhibits for intensive observation and learning. And for the first time this year all members of AASA received folders, mailed in advance of the meeting, presenting in summary form what the exhibit offers. With ample time to study this literature, the administrator can walk into the Atlantic City Auditorium with particular product classifications geared to his school's needs already in mind.

With the attention of the country drawn in the

last year to the sciences in the schools, AASA at this convention is pointing up the importance of the arts. Here was the challenge to the exhibitors: how to permeate each display with this central theme so that the creative arts would literally breathe through every square inch of the auditorium. Inherent in the arts are beauty, grace, dignity and proportion. The exhibitors rose to this challenge enthusiastically.

Months ago a questionnaire was sent to exhibitors from NEA headquarters in Washington, D. C. requesting descriptions of items which would be displayed on the convention floor. Some of the products are new; some are improved; all are useful; all are geared to current needs. A variety of displays invite the school man to an adventure-land inhabited by modern teaching and administrative aids. Following are just a few of the articles an AASA member might see on touring the exhibit at Atlantic City from February 14-18.

His first stop might be at a booth occupied by a map and globe company which shows him its new satellite globe in keeping with today's science-oriented world. The motorized unit dramatically demonstrates complex earth-satellite relationships and reduces them to easily understandable concepts. He will also witness this firm's premiere showing of new science charts, completely revised and lithographed in full natural color. In addition, he views materials concerning rockets, upper atmosphere phenomena, atomic reactors and atomic energy, the field of plastics, and the latest developments in the prevention and cure of diseases.

The busy executive also welcomes the chance to examine a data-processing machine which automatically produces a punched tape as primary records are being updated. As records are posted on this typewriter accounting machine, the information is perforated into a tape unit for securing statistics and reports. All computations are automatic, including the proving of accuracy.

Then the educator nears one of the booths that perpetually enlighten and fascinate every member. He promptly loses himself in the vast array of textbooks and reference materials, beautifully designed, illustrated, printed and bound. A multitude of instructional materials is displayed.

At another point in his trip through Exhibit-land, the superintendent finds a solution for a space problem in a new table-bench for cafeteria-auditorium seating which quickly converts to a bench-with-a-backrest by a flip of the table top. The conversion provides immediate auditorium style seating, without having the children move from their seats.

Maintenance personnel will cheer when they hear of the waxless floor coating which is the result of years of research and testing. And they will be equally intrigued with a new work-saving device

that removes stubborn build-ups of old waxes quickly, leaving floors clean, smooth and ready for recoating.

In this day of prefabricated construction, a seating company has come up with a precast concrete grandstand, consisting of concrete slabs 16 feet in length. The manufacturer's representative reports on the economy, low maintenance and safety which are the outstanding features of this ready-made stadium.

One booth displays materials explaining a new index of scholastic ability now available to help teachers, school administrators and guidance personnel identify students in the 8th and 9th grades who should be encouraged to take college-preparatory courses. The battery of tests is used in planning students' high school programs and in making decisions about post-high-school jobs or college applications.

An electronics training organization from the mid-West has developed an ingenious laboratory device to show important principles of electricity to students. The old fascination of the physics laboratory returns when the educator observes this instrument, which regularly gives off a colorful electrical spark from the top of a vertical glass tube. The spark, which produces an eerie hum, rises as it bridges an ever-widening gap between two wires at the base of the tube, and finally flares off at the top.

When he resumes his tour, the AASA member finds a booth occupied by a manufacturer of a self-contained suspended acoustical ceiling which combines sound conditioning and radiant heating and cooling. Greatly reduced maintenance costs and operating expenses are its advantages.

Another development that has won approval by educators, architects and engineers is a new communication, signaling, safety and teaching system made possible by use of an electronic network. Combined into one system are the functions of a public address system, emergency alarms, telephone-intercoms, clocks and class-break signals and closed-circuit TV. This engineering feat permits easy and economical expansion to accommodate additions to the school or to add new features and services.

One manufacturing company favors sports departments with metal paddles for tether tennis, aerial darts and paddle tennis, thus eliminating costly breakage of wooden paddles.

A cork organization displays a new foam-cushioned bulletin board surfacing that is the first material developed specifically for use as a tackboard. Combining unusual cushion, good sound absorption and flexibility, it is displayed in three attractive shades.

Always looking for ways to utilize every inch of space in crowded classrooms, the AASA member now examines a booth displaying cloak closets ac-

cessible through an upward-sliding door which serves also as a chalkboard or tackboard. A minimum depth of two feet from the chalkboard surface to the back of the closet makes ample provision for the typical cloakrooms.

The administrator then spies an exhibit featuring an entrance mat with spacing between links minimized to keep ladies' pointed heels from becoming caught. The mat is expressly designed to beautify as well as to reduce hazards and protect building floors from incoming dirt. The practical school man can choose from a wide selection of colors and endless design possibilities and at the same time receive the advantages of a grease- and oil-resistant reversible mat with non-trip edges.

Aimed to please the music department is a new combination chair stand that holds any standard size string bass in proper position for playing and in addition holds the instrument securely as a storage rack. This stand eliminates a common rehearsal room problem which frequently results in damage to the string bass.

A great step forward in eye-movement photography is represented by a camera which features rapidity and ease of taking and analyzing eye movements. The reading specialist, classroom teacher, school psychologist, vision specialist and educational researcher welcome such audio-visual tools in their testing programs.

The journeying educator then witnesses a demonstration of automatic coin sorting and counting machines which can be used by schools to sort, count and wrap receipts from lunchrooms and from various school functions. The job is handled with 100 percent accuracy and with a great saving in time.

He tarries at a booth showing an instrument designed especially in response to the demand for more science instruction in the elementary field. This device serves equally well as a microscope projector or as a microscope, even for a teacher not well trained in the science field. Compact and portable, the instrument is encased in a strong plastic case which makes it long lasting and safe from the standpoint of electrical shock.

A publishing company nearby is exhibiting a line of books written to encourage independent reading by children. A wide range of interesting stories, carefully written and vividly illustrated, promotes rapid development of reading skills and attitudes that will lead children to become life-long readers. These books are carefully scaled to permit successful independent reading.

At another turn of the exhibit hall, the busy superintendent views a self-powered combination recorder-transcriber which picks up voices within a radius of 60 feet. At the same time it substantially filters surrounding noises such as traffic, typing and coughing. This conference recorder can be adapted for dictating even in the noisiest places

by means of a built-in provision that excludes everything except the voice close to the microphone. The man who must dictate in cars and airplanes, where clear recordings have heretofore been unobtainable, will find this feature a boon.

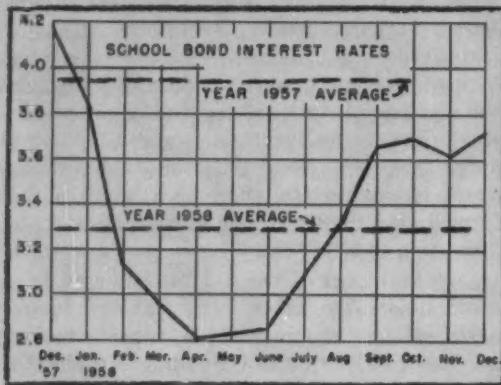
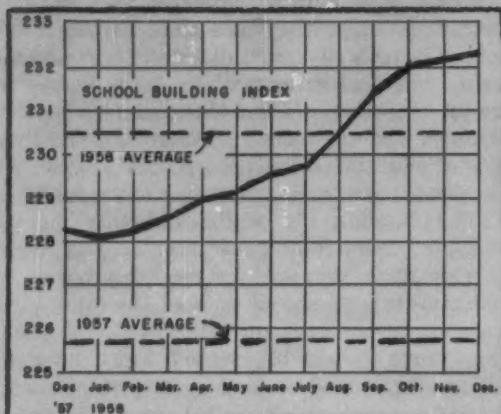
These items are merely a handful of the thousands of educational tools the AASA member will examine in his excursion through the exhibits. In glancing through his exhibit directory, he will find listed numerous general categories which name pressing needs of his school program. A quick run-through shows some of the other products and services: art materials, desks, duplicating equipment, door latches and locks, floor and wall coverings, food products, refrigerators, heating and ventilating equipment, home economics equipment, incinerators, library supplies, lighting fixtures, lockers, paints, plumbing specialties, blackboards and chalkboards, precision tools, printing equipment, safety education materials, stage equipment, typewriters, uniforms, windows and window shades, vacuum cleaners, and waterproofing systems. No matter what the superintendent is looking for, there is a booth with an informed attendant who has knowledge and ready information to help him.

One unique part of the exhibit hall still awaits the administrator after his intensive learning courses among the materials, equipment and supplies. Here, in the School Building Architectural Exhibits, he gazes at modern school design which confirms that function, beauty and simplicity go hand in hand.

A jury of three architects and three educators screens hundreds of entries by top architects of this country. These buildings represent what some administrators have already seen realized for their students and what all citizens interested in education would like to see realized. It is a tribute to the architectural profession that its far-sighted vision can relieve so many difficulties of school operation within limited budgets and at the time produce structures adapted to tomorrow's world.

In addition, the Associated Exhibitors grant their annual awards of \$1,000 each to two young men who plan to make the school superintendency a life career. These are the S. D. Shankland Memorial Scholarships for Graduate Study in School Administration, given in recognition of administrative and teaching ability. Honored at the 1959 convention are Fred W. Bewley, graduate student at the University of Southern California, and Roger C. Seager, graduate student at the University of Chicago.

Concluding this program, the exhibitors present to the education world the best in the entertainment world. With an eye to keeping in the field of the arts, they offer pianist Van Cliburn, whose performance will be a fitting climax to the 5-day tribute to the importance of creativity in America.



## Building Costs and Bond Prices

by HAROLD F. CLARK

Economic Analyst

Teachers College, Columbia University

The slow upward rise in school building prices continued in December, to show a 232.3 index (1939 = 100) as opposed to November's 232.1.

During the recession of 1957-58 there were weeks at a time when the cost of school building did not budge. This pause would be followed by a slight upward movement and then remain constant for another few weeks. It can be said that school building material costs remained fairly stationary during the first eight months of 1958.

School building labor costs, however, continued their long upward climb. The result of the movement of these various factors resulted in an advance of about 3 percent in building costs in 1958. Even this increase represents the least upward pressure on costs in several years.

What are the cost prospects for 1959? The best estimates now available seem to indicate that a new all-time building volume is in the offing. Total construction is expected to mount as much as 7 percent in value and close to half of that in volume. Total new construction promises to pass the \$50 billion mark for the first time.

Both private and public construction will reach a grand-total increase approaching \$4 billion. This figure includes the rise in public and private housing starts, highway and educational building. Total school building is expected to show a 5 percent gain. It is interesting to note that the new expenditure on highways will be about 50 percent larger than the projected expenditure for schools.

With such a bonanza in building of all kinds, it is probable that school building prices will spiral upward. The combination of inflationary forces in the private economy brought about by the wage-price spiral and large government deficits will tend to raise prices. All told, unless there is a change in some of the underlying factors, we can expect further rises in the cost of school buildings.

### Interest rates on the rise

School bond interest rates have undergone wild fluctuations in 1958. They started the year at 3.81 percent in January 1958, dropped to 2.82 percent in April and rose again by December 1958 to 3.70 percent.

Interest rates were raised in early 1957 by the Federal Reserve Banks to slow down speculation; in late 1957 and early 1958 they were lowered to encourage business; in late 1958 they were raised a little to try to arrest speculative activity. Now at the beginning of 1959, interest rates have moved up sharply. However, this state of affairs places the government in a quandary since there looms ahead a \$12 billion deficit plus many billions of debt to be refunded. Should interest rates be kept low to aid the borrowing of the government? Speculative excesses may enter into the stock market and perhaps the government should raise interest rates still more to discourage these excesses. However, where does this leave the business man who needs to borrow at a fair rate to run his business?

Interest rates on some Federal bonds have recently been near the highest level of the past generation. All things considered, it seems as if there is little possibility to lower interest rates very much in the immediate future. Should the business recovery falter, then interest rates might be lowered regardless of some of the possible dangers. As things stand now, until there is some change in governmental policy or the business situation, interest rates are not likely to recede very much.

School boards might as well proceed with their plans to issue bonds and build schools.

AND FINEST  
THE LATEST THING  
OUT



SEE QUADRILINE AT THE A.A.S.A. CONVENTION . . . BOOTHS 1247-49-51-53!



QUADRILINE



BY AMERICAN DESK  
MANUFACTURING CO. TEMPLE, TEXAS

**trim  
neat  
lines**



**UADRILINE**  
by american desk

**rugged  
square  
tubing**



Series 900 Combo



Series 600 Chair Desk



Series 1300 Jr Exec and 500 Chair



Series 1410 Instructor's Desk with Series 800 Chair

Coming your way! A complete new line of school furniture in keeping with today's teaching methods and objectives. Shown, the Combo desk and chair designed as an integral unit . . . controls aisle traffic, groups front to front for two-student working areas, provides liberal and comfortable working facility.

See Quadriline on display in Booths 1247-1249-1251-1253!

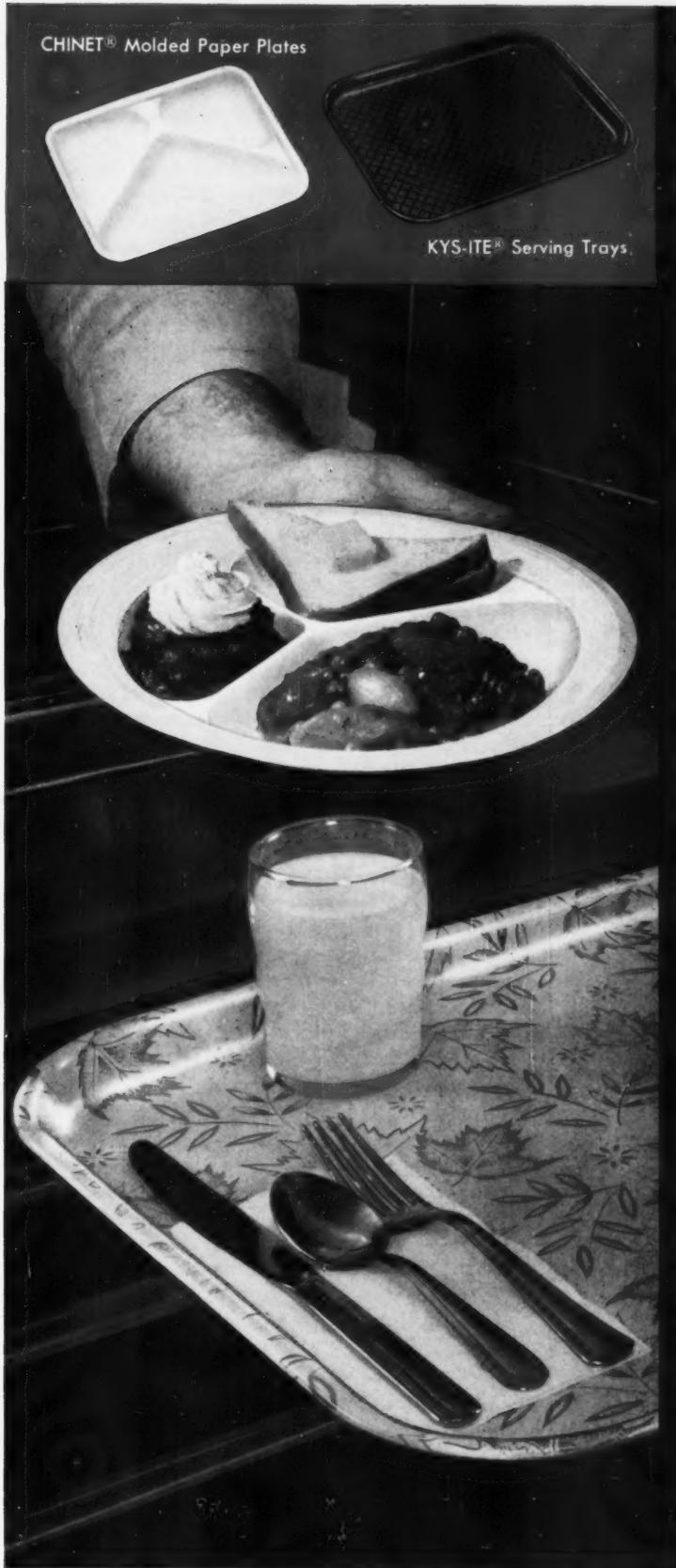


**See • Learn • Compare**  
at the AASA Exhibit  
Atlantic City, Feb. 14-18



**Temple, Texas**

**American Desk Manufacturing Co.**



CHINET® Molded Paper Plates

KYS-ITE® Serving Trays.

## KEYES CHINET® Molded Paper Plates

**simplify  
school lunchroom  
operation, cut costs**

When your food service operation utilizes CHINET plates you end the problem and expense of obtaining, training and supervising dishwashing help. You also eliminate sanitation problems, the initial and replacement costs for expensive tableware and the need for elaborate dishwashing equipment. These savings far exceed the modest cost of using CHINET plates.

Paper plates are silent — don't rattle, are lighter — easier to carry, and because they're sterilized "hospital-clean" people enjoy eating off them. Together with KYS-ITE® serving trays, they brighten and lighten your food service operation. KYS-ITE trays are guaranteed against warpage . . . come in glamorous decorator designs and striking solid colors.

**Only CHINET® Plates Give You  
All These Exclusive Advantages**

- Brilliant new stark white or regular plate white
- Extra strength, each plate is molded individually
- Sterilized "hospital-clean"
- Waterproof, grease resistant
- Complete selection of sizes and shapes



CHINET® Plates and KYS-ITE® Trays can  
cut food service costs.

**MAIL THIS COUPON FOR COMPLETE DETAILS**

Keyes Fibre Company, Dept. SE-2 Water-  
ville, Maine

Please send me complete details on Keyes  
CHINET® Plates and KYS-ITE® Serving  
Trays.

Name \_\_\_\_\_

Name of Employer \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

## FOR MODERN ADMINISTRATION

Rauland

MODEL S224

LOW-COST SCHOOL  
INTERCOMMUNICATION SYSTEM

## 2-Way Communication and Program Facilities

- ★ For up to 48 rooms
- ★ "All-Call" feature
- ★ Volume level indicator
- ★ Remote mike operation
- ★ Matching radio and phonograph available

This compact, precision-built system providing low-cost 2-way communication facilities is ideal for efficient supervision of all school activities. Announcements, speeches and voice messages can be made by microphone to any or all rooms (up to a total of 48); speech origination from any room to the central cabinet is available. Includes "All-Call" feature for simple instantaneous operation. Has input connections for remote microphone, radio, phonograph and tape recorder. Housed in compact, attractive all-steel blue-gray cabinet suitable for desk or table. When combined with the S404 matching radio-phonograph below, a complete centralized school sound system is achieved at a remarkably low cost, within the means of even the smallest school.

MATCHING MODEL S404  
RADIO AND PHONOGRAPH

Combines perfectly with the S224 system. Provides complete facilities for the distribution and control of radio and phonograph programs. Includes precision-built FM-AM radio tuner and high quality 3-speed record player. The matching S404 and S224 units may be stacked compactly to conserve desk space. Together, they form a complete and versatile sound system offering either communication or program facilities at the lowest cost.



Other RAULAND School Sound Systems are available with capacity up to 160 classrooms. RAULAND Public Address equipment is also available for auditorium and athletic field sound coverage.

## RAULAND-BORG CORPORATION

- Rauland-Borg Corporation
- 3535 Addison St., Dept. E, Chicago 18, Ill.
- Send full details on all RAULAND School Sound Systems.

We have \_\_\_\_\_ classrooms.

Name \_\_\_\_\_ Title \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

# 7 in a series of case studies  
on decision-making in administration

School attendance is a recognized fact in American life. Laws setting minimum and maximum age requirements may vary from state to state, but some period of school attendance is mandatory everywhere. In all instances, the parents are held responsible for the children's school attendance.

Frequently, administrators face difficulties in keeping pupils in school. But the reverse can happen, too. In the case of a child with a chronic illness or a physical handicap, the situation is complicated for the school to evaluate and handle, and it is often difficult for the parents to face. This case describes a situation in which the parents insist that their child attend school, in spite of recommendations by the school physician to the contrary.

## "I'm a Taxpayer"

AFTER Dr. MacRae had completed the physical examination of the last kindergartener, he heaved a sigh of relief and turned to the school nurse. "It looks as if the McKinley School has a pretty healthy crop this fall. The Taber child bothers me, though. Did you notice the peculiar way he walks? Is there anything special on his entrance form, Miss Bramwell?"

"Nothing out of the ordinary," the school nurse replied. "He's had the chicken pox and mumps, and he's been vaccinated against smallpox. The parents gave no other medical history. He's supposed to be able to engage in all physical activities."

"Well, you keep your eye on him anyhow," Dr. MacRae said, "and if anything develops, be sure to let me know."

"I'll check on him again when we give eye examinations in a couple of months," the school nurse replied.

Dr. MacRae's concern about Keith Taber did not seem warranted during the kindergarten year. Keith's teacher did comment at the end of the year that the child's coordination was not quick or accurate. But this wasn't considered especially unusual among kindergarteners.

About a month after school reopened in the fall, Miss Peterson, Keith's 1st-grade teacher, asked the school nurse if there was any further information on Keith's medical record that she should have. "I think there's something wrong with that child," she told Miss Bramwell. "I notice he falls quite easily, almost as if he has no sense of balance. He's very reluctant to participate in any of the games with the other children."

"Send him down to me at your earliest opportunity," Miss Bramwell said. "Dr. MacRae remarked about him when he was examined last year. I'd like to take a good look at him."

When Keith entered the nurse's office, Miss Bramwell

By MORRIS HAMBURG, principal, Fulton School, Hempstead, N. Y. This case is taken from his book, "Case Studies in Elementary School Administration," published by Columbia University.

was quite taken aback. The boy had put on a great deal of weight and was definitely in the chubby class. His gait was halting, and it looked as if he walked mainly on his toes. Miss Peterson had good reason for her question. Miss Bramwell decided to call Mrs. Taber and ask her if she would come to school to talk about Keith.

"What's wrong with him?" Mrs. Taber asked over the telephone. "Does he have an upset stomach? I think he's fighting a cold."

"No, Mrs. Taber, it's nothing like that. I just want some information to complete our records on Keith. Could you possibly see me this afternoon?"

"Well, it isn't really very convenient for me to come," the mother replied. "As long as it isn't important, suppose we make it next Monday."

"I don't know how important it is," the school nurse said, "but Keith seems to have some trouble playing with the other children. He doesn't coordinate as well as he should. Is there any information that we should have regarding this?"

"Oh, that business," the mother replied. "There really isn't any need for me to come down and talk with you about that. We took him to our family doctor just before school reopened, and he said that Keith may have a little orthopedic trouble. We may have to get him some special shoes, but it's nothing to be concerned about. He recommends that Keith engage in all play, so don't give it another thought. And thank you for calling."

Miss Bramwell relayed this message to Miss Peterson and added, "I think this boy bears close watching, even if the family doctor says he's O.K. Let me know if he continues to have trouble."

The following week, an excited Miss Peterson led Keith into the nurse's room, and sat him down on the day bed. "May I see you out in the hall?" she asked.

Once out of the room, the teacher said, "I really think something is drastically wrong. He's fallen three times so far this morning. Each time, he couldn't get up by himself, and I had to give him some help. I wonder what's the matter with the child? Don't you think Miss Miller should know about this?"

"Yes, I do," Miss Bramwell replied. And the two of them, telling Keith to wait in the nurse's office, went to see the principal.

After they had related the story about Keith to her, the principal said, "Let's get Dr. MacRae to check him as soon as possible. Meanwhile, I think it would be better to keep Keith lying down in your office, Miss Bramwell. Will you call the doctor?"

"I think he's giving physicals at the Jefferson School, Miss Miller, but I'll see if I can get him to come sometime today."

Before Dr. MacRae was available, it was time for lunch. Rather than permit Keith to go by himself, Miss Bramwell took him home in her car. When Keith was brought into the house, the mother asked, "What's wrong? Why are you bringing Keith home?"

Miss Bramwell replied, "He seems to have difficulty in walking. He claims that nothing hurts him, but he fell

(Continued on page 28)

# BRILLO FLOOR PADS

for every job  
from  
stripping  
to  
buffing . . .



give you . . .

- **precise uniformity**
- **top efficiency**
- **economy**



WHETHER it's stripping old layers of wax or adding the final touch to a highly polished floor, there's a Brillo Solid Disc Steel Wool Floor Pad specially engineered to do a perfect job.

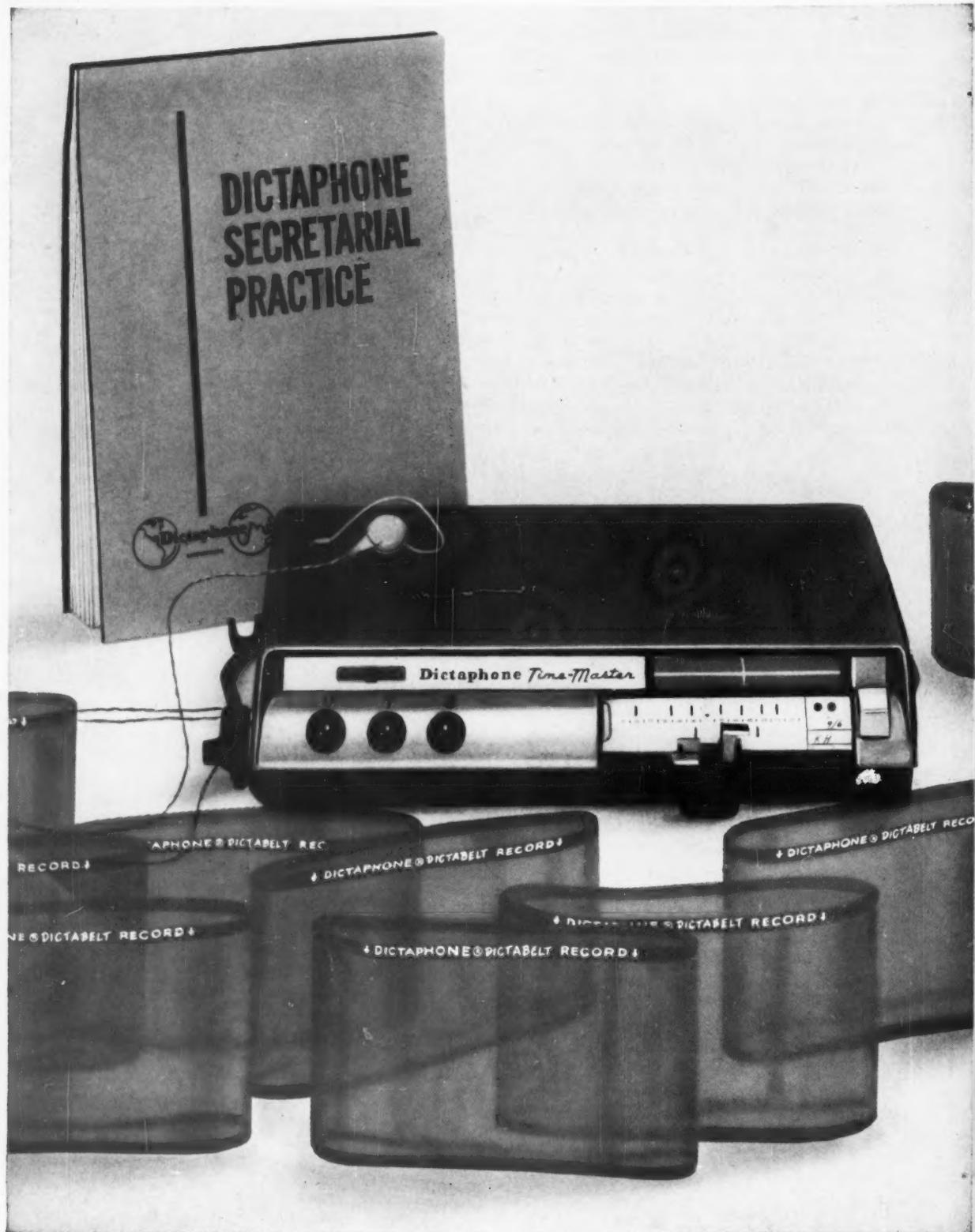
The steel-wool fibres in every Brillo Floor Pad are held to a strict uniform quality. These fibres are cross-stranded for superior abrasive action, enabling your machine to do a faster cleaning job . . . you save money, too.

From a heavy duty #3 to fine #0, there's a Brillo Floor Pad for every floor maintenance job . . . stripping, cleaning, waxing, polishing, buffing. Write today for free leaflet on Better Floor Maintenance.

**BRILLO MFG. CO., INC.**

60 John St., Brooklyn 1, New York

It took two years' work and almost thirty



years of practical experience to produce

SE-223

## DICTAPHONE'S NEW EDUCATIONAL PACKAGE

Now, machine dictation instruction takes on a whole new practical meaning—the new Dictaphone secretarial course is here!

Here is what each unit of this new course gives you: a new 200-page textbook, a new Dictaphone TIME-MASTER machine, 18 freshly recorded DICTABELT records, a complete set of training aids, regular service on the machine, and every bit of help you need from experienced Dictaphone personnel.

Each of these units will train up to 15 students. And the rental cost per unit is surprisingly small.

**That is the news.** Here are the details: the new book is the most complete work of its kind. Into it went all the invaluable experience of both Dictaphone Corporation and the famous McGraw-Hill Technical Writing Service . . . plus the helpful ideas of scores of business teachers throughout the country.

It includes instruction—in logical sequence—on drafts, letters, wires, manuscript, on every

phase of business communication.

The 18 practice DICTABELTS contain precise recordings of every type of dictation the student will be called on to transcribe. This dictation was recorded in special studios—by professional dictation experts. It is *all* progressively timed—by precision prompting devices—to match student ability.

**And it's a well-known fact** that the Dictaphone TIME-MASTER and DICTABELT record combine to form the most popular, most widely used machine dictation method known. What's more, the machine you'll be using will be the brand new, *effortless* TIME-MASTER for 1959.

The tools of the secretarial trade are changing. In the last ten years, the use of Dictaphone machines has quadrupled, and enrollment in machine transcribing courses has increased 400%.

**That makes it all** the more important for you to look into this new Dictaphone course—THE modern way to teach machine dictation.

Subjects covered in the new Dictaphone Textbook: Business Communication • Secretarial Development • General Office Memoranda • Transportation • Communication • Entertainment • Advertising and Publishing • Banking and Insurance • Packaged Goods • Automotive Industry • Metals Industry • Textiles Industry • Education • Science and Engineering • Social Service and Welfare • Government • Medicine • Law.

This wide range will help familiarize the student with practically any field she plans to enter. Text includes a word-mastery section for each business discussed. Dictaphone issues a Certificate of Proficiency to all who complete this course successfully.

Dictaphone Corporation, Dept. SE-29  
420 Lexington Avenue  
New York 17, New York

Please send me your new booklet  
"ON THE WAY UP BEFORE THE FIRST JOB!"

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

School \_\_\_\_\_

## DICTAPHONE CORPORATION

Dictaphone Corporation, 420 Lexington Avenue, N. Y. 17, N. Y. Service you can depend on the world around. In Canada, write Dictaphone Corporation, Ltd., 204 Eglinton Ave. East, Toronto . . . in England, Dictaphone Co. Ltd., 17-19 Stratford Place, London W.1. Dictaphone, Time-Master and Dictabelt are registered trademarks of Dictaphone Corporation.

*(Continued from page 25)*

three times in class this morning."

"Oh, I'm sure he's just weak from the bug that he's been fighting since last week. I think if he lies down for a while, he'll be able to go back this afternoon."

Sure enough, Keith was led into the classroom that afternoon by Mrs. Taber. She departed with only a "he's all right now."

Later that afternoon, when Dr. MacRae had examined the child and had sent him back to class, he turned to Miss Bramwell and said, "Would you come with me to see Miss Miller?"

When they were seated in the principal's office, the doctor said "I think we've got a case of muscular dystrophy here. Of course, my examination was only superficial, but the parents should be made aware of this as soon as possible. All I can do is recommend that he be examined by their own doctor. But he shows every symptom of this disease. He shouldn't be in school until a diagnosis has been made. May I have your permission to send him home?"

"Of course," Miss Miller replied. "Will you contact the parents?"

When Dr. MacRae called Mrs. Taber, she said irritably, "I've explained all about this to the school nurse. However, if it'll make you feel better, I'll have Keith checked again by our family doctor. What do you suspect?"

"I'm not sure, but if you wish, you can have your family doctor call me, and I'll be glad to talk it over with him."

"That'll be fine," Mrs. Taber said. "We'll see him tonight."

Keith was absent from school the next day, but on the following day he was brought into the 1st-grade classroom by Mrs. Taber. "We're going to get him some new shoes next week," she said to Miss Peterson. "Until he gets them, our doctor thinks it would be better if he didn't play games with the other children. Keith understands this, and I'm sure he'll give you no trouble. Maybe you can give him some extra work to do while the other children are out."

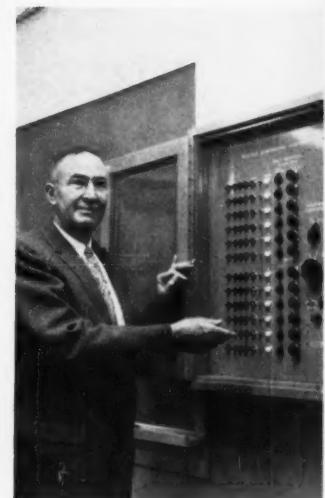
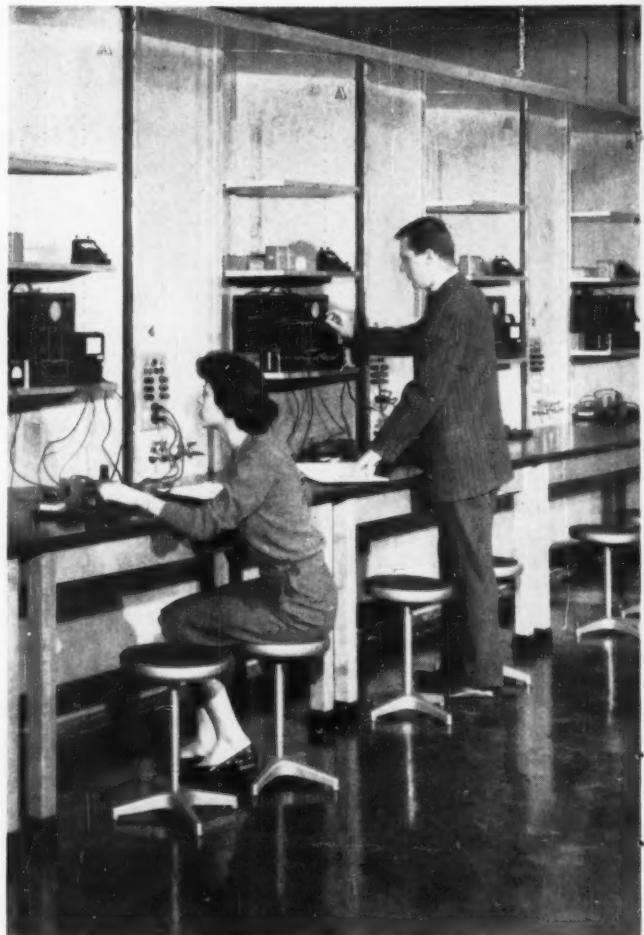
"How about lunch for Keith? He usually goes home, doesn't he?" Miss Peterson inquired.

"Oh, he'll be able to do that all right. But just to be on the safe side, I'll call for him until he gets his new shoes."

And so it was. The family doctor never called the school or Dr. MacRae. Repeated attempts by Dr. MacRae to obtain more information from the Tabers proved fruitless. In fact, Mrs. Taber even refused to give the name of the family doctor to the school physician. Keith was brought to school and called for every day by Mrs. Taber. He did appear with a new pair of shoes, but these did not seem to help him. Keith remained "chained to his desk."

In January, the boy became enuretic on occasion. He was not a discipline problem, but he seemed completely withdrawn. On the occasions when he was enuretic, the

*(Continued on page 32)*



ROTO-LAB UNITS ARE AVAILABLE in two designs — a continuous wall type for long, narrow rooms and an island type (shown above) for wider rooms. The island type is front loaded and has a glass window in the rear for viewing.

PROFESSOR RALSBACK DEMONSTRATES the versatility of the Roto-Lab master control panel. From this control panel the instructor may rotate the units singly or in unison and lock them securely in place to prevent tampering.

HAMILTON MANUFACTURE  
THE SCHOOL EXECUTIVE

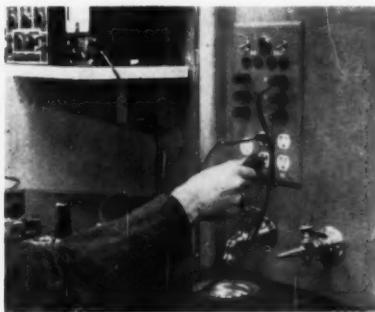
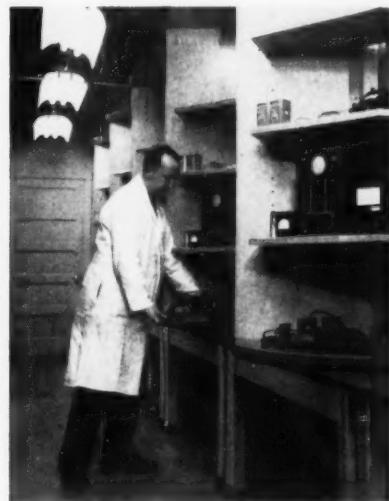
# SEE HOW NEW HAMILTON ROTO-LAB LETS YOU TEACH DIFFERENT SCIENCES IN CONSECUTIVE PERIODS--WITHOUT SETUP-TAKEDOWN TIME LOSS

The revolving center section of each Roto-Lab unit holds apparatus for three different science subjects. In a few seconds a laboratory can be changed from one science to another without time-consuming movement of equipment — students can devote more time in each class period to actual experimentation. The two compartments not in use offer hidden, tamper-proof storage for continuing experiments or extra equipment. Roto-Lab — developed by Professors O. L. Railsback and H. M. Skadeland of the University of Illinois at Chicago — offers new convenience, versatility and efficiency in science instruction for both secondary schools and colleges.



THE CIRCULAR CENTER SECTION of each Roto-Lab unit is divided into pie-shaped compartments which can be equipped with adjustable shelves. The base is constructed of the same material as the laboratory table top and fits flush to form a continuous working

surface. Here Professor Skadeland shows how two compartments may be interchanged in seconds to conduct two class demonstrations in succession without movement of apparatus.



ROTO-LAB CUTS WASTED TIME by permitting laboratory assistants to change apparatus on two compartments while the third is in use. Storage cabinets or shelves can be placed behind the units for speed and efficiency.

COMPLETE SERVICE FACILITIES — gas, electricity, water — are positioned directly to the right of each work area. This enables use of one set of services for three or more classes using the same room for different subjects.

## SEE HAMILTON AT A.A.S.A. CONVENTION

Visit the Hamilton booths F29-G30 at the A.A.S.A. Convention in Atlantic City February 14-18. Get the full story on new Roto-Lab units and Hamilton's complete line of wood and steel laboratory equipment.

# Hamilton

WORLD LEADER IN PROFESSIONAL AND SCIENTIFIC EQUIPMENT

URING COMPANY • TWO RIVERS, WISCONSIN

February, 1959



**SICO'S 3000 ... ADAPTABLE, FUNCTIONAL,**

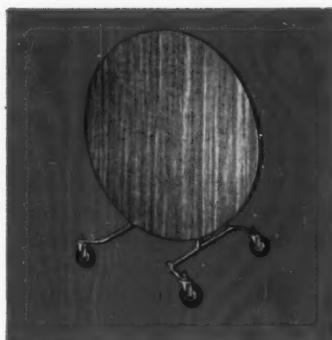


## PRACTICAL... MULTI-PURPOSE TABLE

The adaptability of SICO's Model 3000 line of tables makes them ideal multi-purpose units for schools and institutions. A few uses are as a cafeteria table, library table, a display table, a game table, a projector table, a party or banquet table.

Available with either casters or glides, the "3000" can be fully or semi-portable. With glides, it makes a semi permanent, pedestal type table for cafeterias and classrooms. With casters, it becomes fully portable—folds, rolls easily.

The "3000" is available with round (40"), square (36"), or rectangular (30" x 48", 60", 72" or 84") top. It is easily stored in a minimum area. The top can be turned to a vertical position with a twist of the wrist. In this position tables can be nested, each additional table requiring only 3" of storage area.



*For complete information on this and other SICO Tables, write*



MANUFACTURING COMPANY, INC., 5215 Eden Ave. So., Minneapolis 24, Minn., Dept. 102

# New from Sonotone... Pure-Tone Audiometers with a full-year warranty!



Light weight, easy to carry. Tough plastic case won't crack, dent or chip under rigorous portable use.

- Outstanding performance
- Low cost
- Simple, speedy operation

Sonotone's new Model 91 series of audiometers meets or exceeds all recognized technical and medical standards of design and performance.

So confident is Sonotone of their quality that you get a warranty of *one full year*—not just the usual 90 days. Yet prices are *lower* than any corresponding types now on the market.

And they're simple to operate—the most-used controls are handiest. There are Model 91 types for every service—perfect for doctors' offices, health departments, schools, industry.

Write for free brochure giving many more details on Sonotone's new pure-tone audiometers.

**Sonotone**<sup>®</sup>  
Department AVV-29  
ELMSFORD, NEW YORK

Leading manufacturer and distributor of superior transistor hearing aids

(Continued from page 28)

children would begin to make fun of him, but this was quickly stopped by Miss Peterson. His attendance was regular, and he kept up with his schoolwork. On an individual Stanford-Binet, his IQ was rated 110. The Tabers refused to give more information regarding Keith, except to say that his orthopedic difficulty would gradually be overcome.

Keith was absent for a period of three weeks in January and February. When he reappeared, he was carried into the classroom by his mother. "He had a very bad cold," she said, "but he's over it now. The school nurse called me, and I told her he was getting along fine."

"Can't he walk?" Miss Peterson asked.

"Oh, he's a little weak, but he's able to be in school now. Just be sure to keep him busy."

Miss Peterson "kept Keith busy" for the rest of the school year. The boy continued to be carried back and forth from school by Mrs. Taber. Repeated protests by Miss Miller and Miss Peterson proved of no avail. As long as the parents permitted the child to come to school, the principal and teacher felt there was nothing more that they could do. The child, having performed 1st-grade work satisfactorily in spite of his handicap, was promoted into the second grade.

On the first day of school the following fall, Keith, weighing over 90 pounds at the age of seven, was carried into school by Mrs. Taber. "Good morning, Miss Jackson," she said to the 2nd-grade teacher. "I'm Mrs. Taber and this is Keith. Can you tell me where you want him to sit?"

And so began Keith's 2nd-grade year. Miss Jackson, who had been given all the available information about the child, had still another problem, which became apparent shortly after Mrs. Taber left. Keith could not sit for any long period of time at his desk without falling off the chair. He could not get up by himself, and it was necessary for Miss Jackson and several of the larger boys in the class to get him back into his place. This happened at least three times during the morning session. When Mrs. Taber appeared at noon for her son, the teacher said, "You know, Mrs. Taber, he can't even sit at his desk. He fell several times, and I had to lift him each time. I think it would be better if he remained at home until he is feeling stronger."

"He'll be all right," Mrs. Taber replied. "I'm sorry if he gives you any trouble. He'll be better soon."

But this did not prove to be the case. And when Miss Jackson lifted him back to his seat for the fourth time that afternoon, she felt as if her back had been broken. Miss Miller, whose patience was now at an end, called Mrs. Taber into her office when she came that afternoon to take the child home. "I'm going to request that you keep Keith at home until such time as you can present a written statement from your family physician indicating that Keith can remain in school."

Mrs. Taber's face grew quite red. "I'm a citizen and I pay taxes to educate my child. I don't see what right you have to make it impossible for him to get his education along with other children. I know he's a problem,

but why should he be deprived of being with the others?"

"That's just the point, Mrs. Taber. All that I'm asking is a letter from your doctor indicating that he may attend school. I wonder if I might make this suggestion. Why don't you permit our school physician to examine him in your presence. After all, we, too, are concerned with what is best for Keith."

"That's agreeable with me," Mrs. Taber said. "I'm sure he'll find nothing wrong. When do you want to make it?"

"I'll call you to arrange a mutually agreeable appointment. Meanwhile, I'm going to insist that you keep Keith at home."

Mrs. Taber flounced out of the office, and returned two days later, with Mr. Taber as well as the child, for the physical examination. Meanwhile, with the superintendent's approval, Dr. MacRae had engaged the services of Dr. James Gover, an eminent orthopedic specialist. Keith was examined thoroughly by both physicians in the presence of his parents. Both doctors agreed, after consultation, that the child gave every evidence of having muscular dystrophy, and the parents were so informed.

In collaboration with the superintendent and Dr. MacRae, a letter was sent by Miss Miller excluding Keith from school. The letter contained an offer to provide a special teacher for the homebound to take care of Keith's education at board of education expense.

On the day following the receipt of this letter, an indignant Mr. Taber made an appointment with the superintendent of schools. "I just came from Miss Miller," the father said, "and she told me that the case regarding Keith has been settled. I want you to know, Dr. Harper, that we're not going to stand for this. I pay taxes, and my boy has a right to be in school with the other children."

"I can understand your feelings in this matter," Dr. Harper replied, "but do you think you're acting in the best interests of your boy by forcing him to attend school? After all, I feel duty-bound to adhere to the recommendation of both Dr. MacRae and Dr. Gover. They should know what is best for your child, and I'm going to abide by their decision."

"I'm not going to take this lying down," Mr. Taber said, and he stormed out of the office.

The following day a local newspaper displayed a picture of the Taber family, with a story implying that the school district was heartless and cruel for depriving Keith of his rightful education. No mention was made of the nature of Keith's illness, nor was any mention made of the offer of a home-teacher by the district.

The next morning Mr. and Mrs. Taber appeared in Miss Jackson's 2nd-grade room with Keith in the father's arms. They deposited him at his desk; then they left without a word. Miss Jackson hurriedly sent for Miss Miller. When the principal appeared, the teacher said, "What do we do now, Miss Miller?"

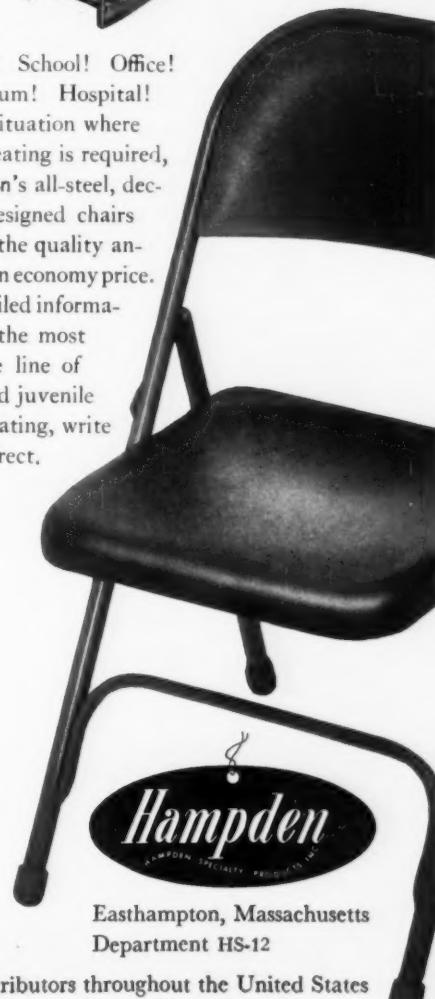
*Question:* If you were in Miss Miller's position, what would you do now?

# NEW DIMENSIONS IN PUBLIC SEATING



Church! School! Office!  
Auditorium! Hospital!

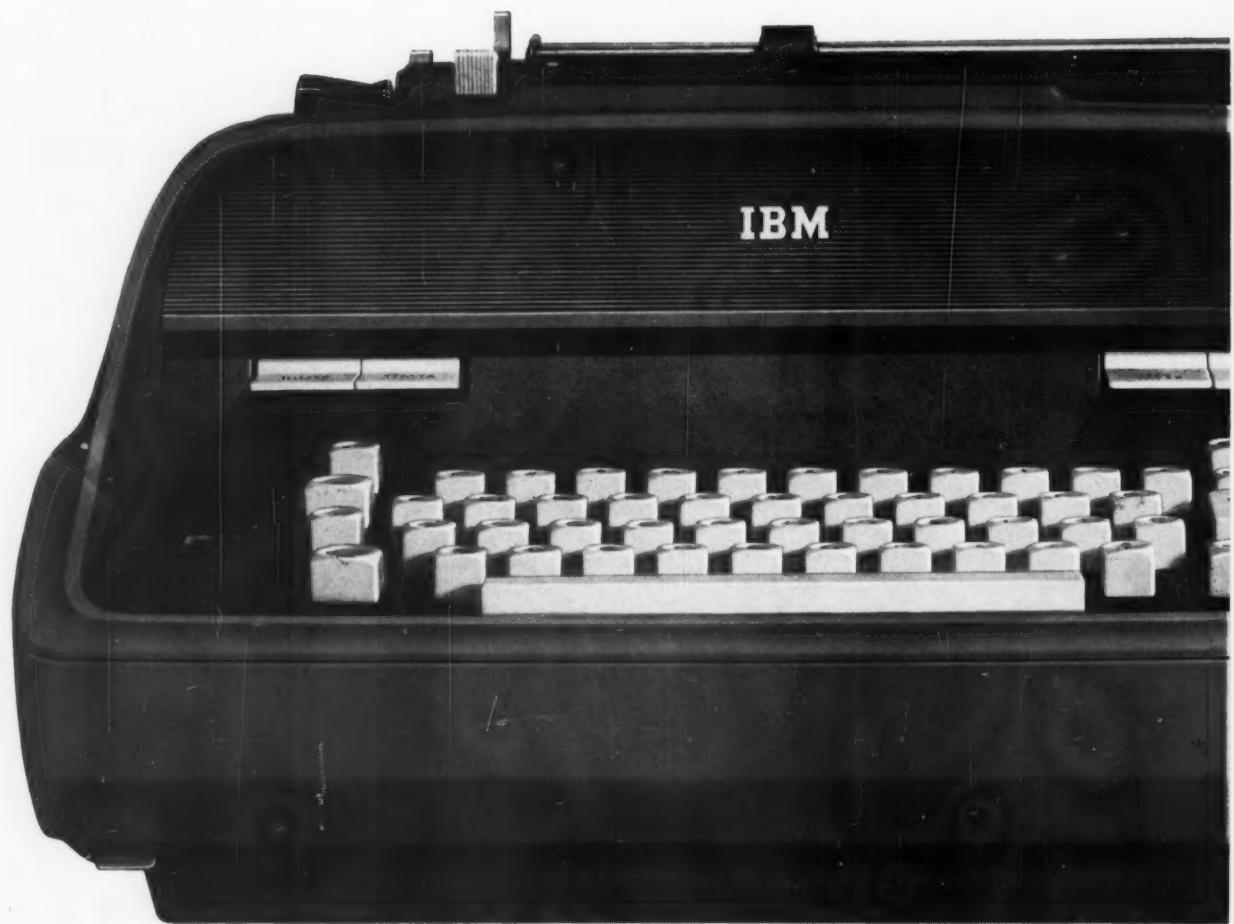
In any situation where public seating is required, Hampden's all-steel, decorator-designed chairs provide the quality answer at an economy price. For detailed information on the most complete line of adult and juvenile public seating, write today direct.



Easthampton, Massachusetts  
Department HS-12

Distributors throughout the United States

this



is  
the  
new

IBM



Electric

...the new look  
in typing  
efficiency

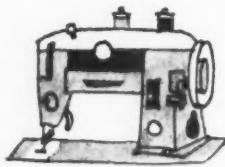
The low, sleek profile and sculptured lines tell you—this is new. The alive, eager response of the individually adjustable keyboard...the new IBM 13" Quiet-Glide Carriage that ends the crash of carriage stops...these and 25 other engineering achievements make teaching easier, help students advance more rapidly. Dependable, easy to maintain—this is the world's finest teaching typewriter.

IBM

# Is your school taking advantage of all these **SINGER** teaching aids?

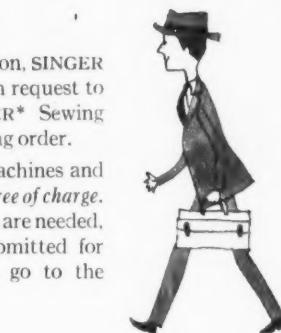
**Sewing Machines.** Have you and your sewing teachers heard about the great SLANT-O-MATIC\*?

It's the most modern automatic sewing machine ever built, easiest to *teach* on and easiest for your students to *learn* on. And, of course, there are many other sewing machine heads available for classroom use; each smooth-running and dependable as only a SINGER can be.



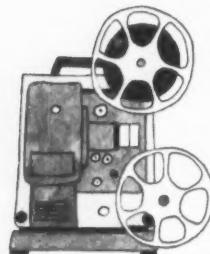
**Versatile Desks.** SINGER offers a unique, modern desk that converts from study use to cutting table to sewing use, accommodates SINGER classroom machine heads. It not only streamlines the appearance of a room, but makes every inch of space work to its maximum.

**Note:** Many new schools, or schools designing new sewing classrooms, have been aided by SINGER in their planning. If you could use similar assistance, don't hesitate to call.



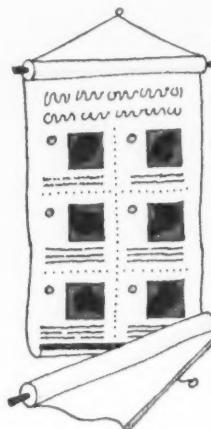
**Repair Service.** Every season, SINGER technicians visit schools on request to put all classroom SINGER\* Sewing Machines in perfect working order.

They remove lint, oil machines and make simple adjustments *free of charge*. If more complicated repairs are needed, detailed estimates are submitted for approval *before* machines go to the SINGER workshop.



**Film Strips.** SINGER has five educational film strips, two of them in full color, available for school use.

They promote the fun of sewing—explain the "how" and "why" of machine performance. Excellent visual supplements to the teaching of sewing, they come either with a record or a script which the teacher reads along with each frame.



**Free Wall Charts.** You or your sewing teachers may order 35" x 26" charts that spell out the threading of machine head and bobbin step by step. They are available for each of the different SINGER classroom machine heads.

SINGER also offers you practice stitching charts and a variety of free machine sewing manuals in quantity for your sewing students.



**Free Book, Booklets.** There is a large selection of SINGER booklets available free for your teachers, covering everything from the history of sewing machines to the latest zig-zag stitching methods—and even a complete textbook on machine sewing, free to teachers.



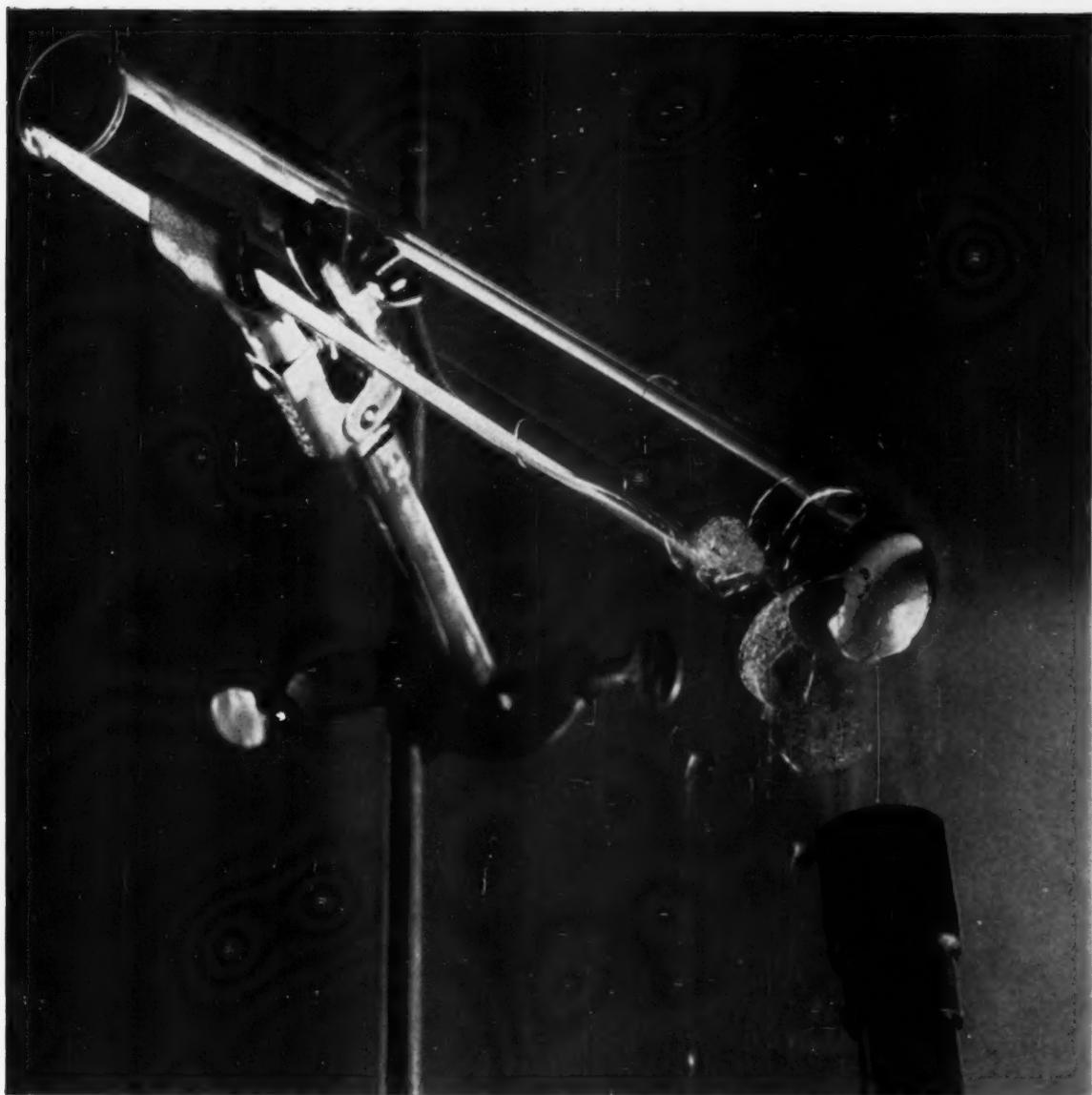
For further information about the many supplies and services—write to:  
SINGER SEWING MACHINE COMPANY, Educational Dept. EA, 149 Broadway, New York 6, N.Y.

**SINGER SEWING CENTERS**



Also headquarters for **SINGER\*** Vacuum Cleaners  
Listed in your phone book under SINGER SEWING MACHINE CO.

\*A Trademark of THE SINGER MANUFACTURING CO.



High speed photography "stops" this test tube breaking over Bunsen Burner. Stop your test tube breakage by insisting on PYREX brand.

## Is broken glass like this slashing holes in your budget?

There's a simple way to make test tubes last right into next year's crop of students.

First, make sure they're borosilicate glass so they can take hot and cold shock.

Second, make sure they have the PYREX trademark. Then you get the extra advantages of uniform wall thickness, fire polished rims without rough

spots, carefully annealed walls free of stress . . . all the plusses that come with over 40 years of experience in making labware that stands up to student abuse. Less chance of student injury from broken glass; replacement costs are lower.

The same economy and safety are yours in every piece of PYREX brand labware. And, by specifying all your needs in "PYREX," you get purchase-

savings, too, because all standard packages can be combined for quantity discounts.

Check your PYREX labware catalog for sizes and prices. If you don't have a copy, may we send one to you?



**CORNING GLASS WORKS**

96 Crystal Street, Corning, N.Y.

*Corning means research in Glass*



**PYREX® laboratory ware**

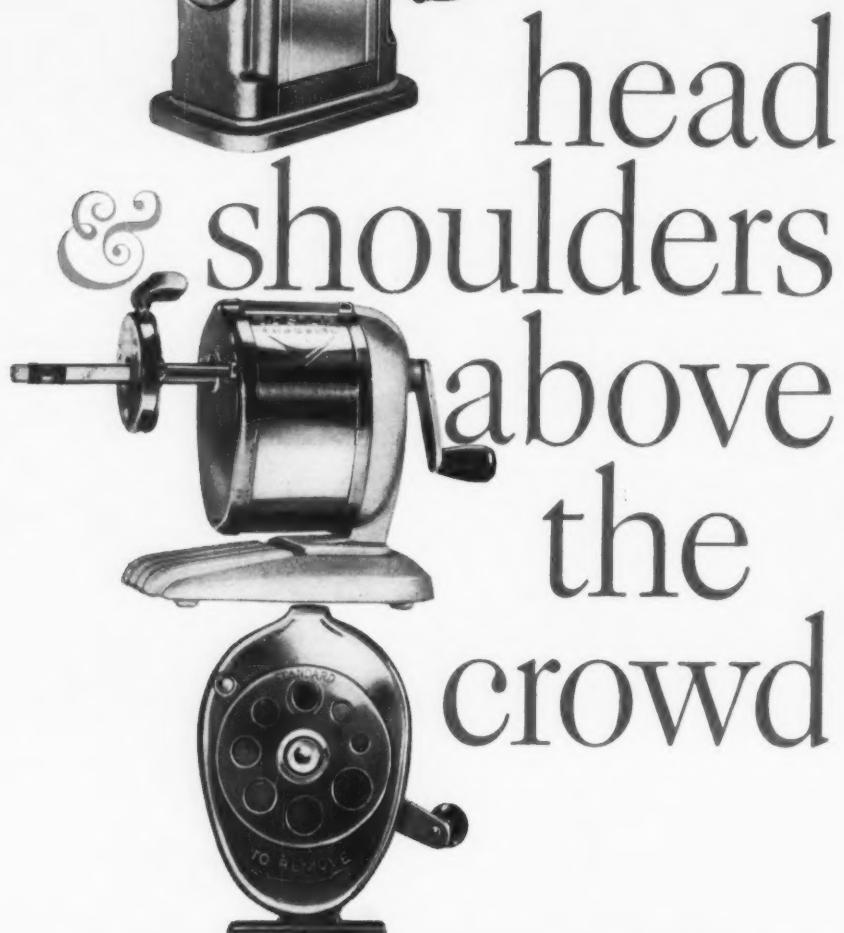
*...the tested tool of modern research*



For years the leader where crowded school conditions demand maximum service and long life. There's a Boston K-S or Ranger model for wall, window or table mounting . . . or the portable Champion for schools with steel interiors. All models are all metal . . . hardened steel gears . . . 25% more cutting edges.

steel gears put

**BOSTON®**  
PENCIL SHARPENERS



C. HOWARD HUNT PEN COMPANY, CAMDEN 1, NEW JERSEY



There is something new under the sun . . .

*Something wonderful for you, too* →

# It's American Seating's New Individual Study-Center\*

... combining the best features  
of a chair and desk in a single,  
one-piece movable unit

If you were to sit down and determine all the things a school desk ought to be and ought to have you'd be describing the perfect piece of school furniture. We've done just that and turned it into a reality in the *totally new Individual STUDY-CENTER with Classmate styling*.

There is nothing you can buy that will save more space or provide greater mobility. Yet it's a single, one-piece unit. It's smoothly functional, with desk top adjustable to scientifically determined angles, swivel seat, and fore-and-aft movement.

Because it is designed for good posture and comfort, it reduces classroom distractions to a minimum. It's pleasingly modern, and finished in durable, school-coordinated colors. What's more, it utilizes the most advanced materials of construction to be as vandalproof and tamperproof—studentproof—as modern engineering can devise.

Now. There's much, much more, but the point is this: Better see the exciting Individual STUDY-CENTER before you buy *any* furniture. It costs no more to have American Seating quality for your school. We'll gladly arrange a demonstration. American Seating Company, Grand Rapids 2, Michigan.

\*Trademark of American Seating Co.



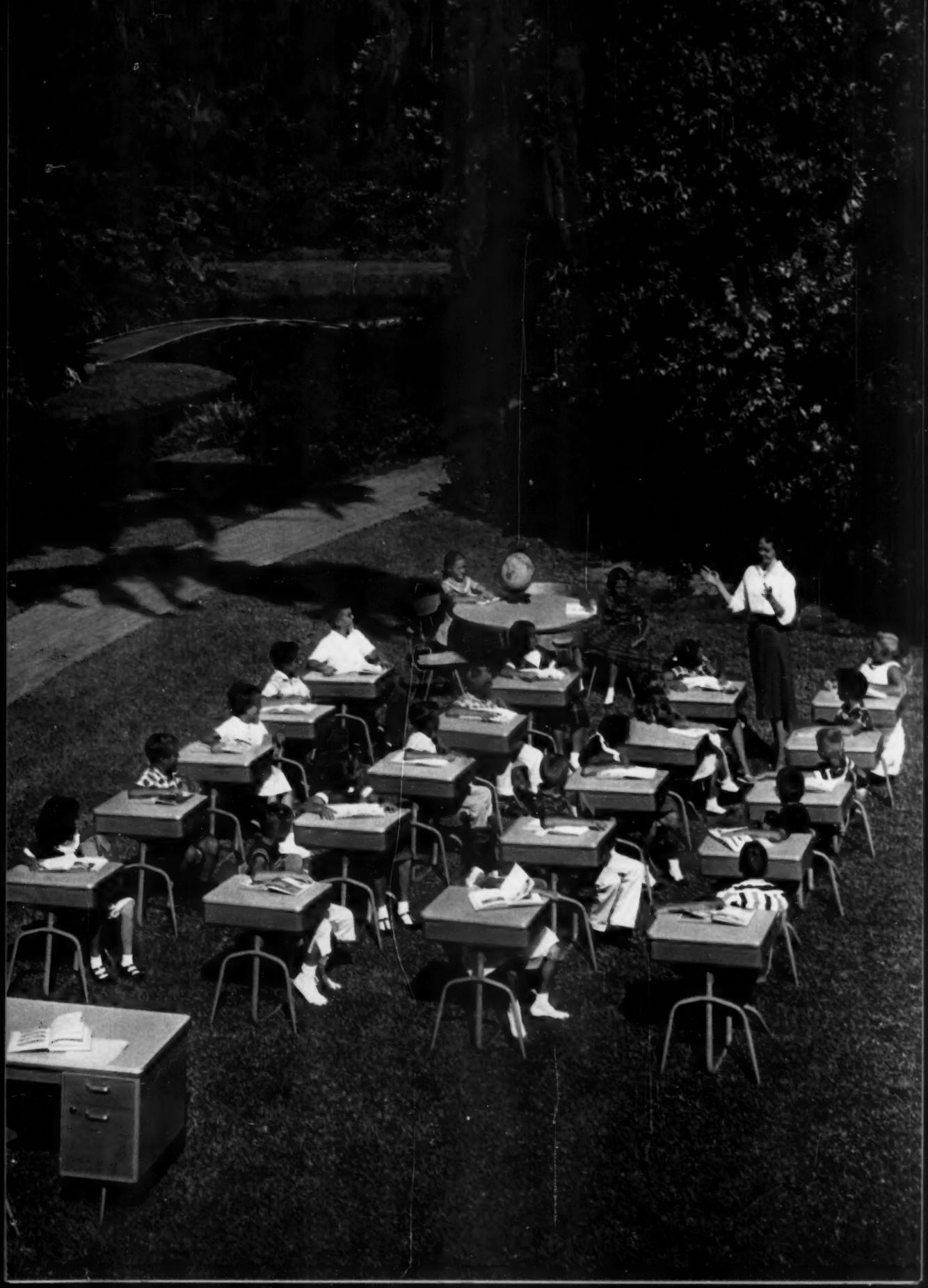
The standard by which all other public seating is measured

CLASSMATE® SCHOOLFURNITURE • INDIVIDUAL STUDY-CENTERS • UNIVERSAL®  
SCHOOL FURNITURE • ENVOY® SCHOOL FURNITURE • BODIFORM® AUDITORIUM  
CHAIRS • STADIUM SEATS • CHAPEL FURNITURE • FOLDING CHAIRS AND TABLES

New American Seating Individual STUDY-CENTERS are as fresh and  
new as all outdoors! Fully adjustable for all school tasks and  
varying student sizes, their functional design meets the growing  
need for a truly flexible classroom unit. Photographed at beau-  
tiful Florida Cypress Gardens.

Copyright 1959, American Seating Company.  
American Seating products are fully covered by patents and patents pending.





NEW CONCEPT IN SEATING . . .

THE INDIVIDUAL  
*Study-Center*



The many design and functional features of the new Individual STUDY-CENTER permit fullest range of classroom arrangement—double rows, alongside walls, or any informal grouping. Tapered front-leg design gives ample leg room and foot room with no standard-feet to interrupt forward movement.

The combination of desirable features in this totally new American Seating classroom unit makes it more than just another desk of advanced design. It is in fact just what its name indicates: a compact, self-contained, *individual study center* designed to meet every need of the student.

Read these vital statistics: *Desk top* adjustable to 8° and 20° for writing or reading; rests level for manipulative tasks. And it's made of non-glare Amerex® (exclusive high-pressure plastic laminate), aluminum-banded, steel-supported. *Book-box* of die-formed steel is exceptionally roomy, adjustable up and down, and the bottom is flat so books stay put and papers won't curl. *Seat* is compound curved, adjusts up and down, moves fore and aft, swivels 45° each way on silent nylon bearings. Curved *back* is self-adjusting, with double-offset back braces, and positioned to encourage correct posture. Both seat and back are of Amerflex, a remarkably tough yet resilient material entirely new to school seating.

By all means, arrange a demonstration of the new Individual STUDY-CENTER, soon. It will reveal what can really be done in school seating when the finest research and design facilities in the business set their minds to it.



The standard by which all other public seating is measured

GRAND RAPIDS 2, MICHIGAN

INDIVIDUAL STUDY-CENTERS • CLASSMATE® SCHOOL FURNITURE • UNIVERSAL® SCHOOL FURNITURE • ENVOY® SCHOOL FURNITURE • BODIFORM® AUDITORIUM CHAIRS • STADIUM SEATS • CHAPEL FURNITURE • FOLDING CHAIRS AND TABLES

Send for free booklet, The Facts about School Furniture Today



# SKETCH BOOK-



# SPACE FOR INDIVIDUAL LEARNING

BY CHARLES WILLIAM BRUBAKER  
AND LAWRENCE B. PERKINS  
PERKINS AND WILL, ARCHITECTS

AS ARCHITECTS WE HAVE BEEN GIVEN DIFFICULT JOBS, BUT HERE IS OUR TOUGHEST PROBLEM YET—"TO DESIGN SPACE TO STIMULATE INDIVIDUAL LEARNING." IT IS AN EXCITING CHALLENGE CREATED BY YOU, THE EDUCATORS OF AMERICA, IN REAFFIRMING THE IMPORTANCE OF THE INDIVIDUAL AND IN RECOGNIZING THAT EACH STUDENT LEARNS AS AN INDIVIDUAL. IN YOUR BEHALF, WALTER COCKING HAS GIVEN US THE FOLLOWING EDUCATIONAL SPECIFICATION AND HAS ASKED US WHAT KIND OF ENVIRONMENT WE VISUALIZE FOR THE INDIVIDUAL LEARNING PROGRAM HE DESCRIBES.

## MIGHT THIS BE YOUR 1960 SECONDARY SCHOOL?

### EDUCATIONAL SPECIFICATIONS for Space for Individual Learning

By WALTER D. COCKING, Editor  
THE SCHOOL EXECUTIVE and EDUCATIONAL BUSINESS

#### THE PROBLEM: To design space to stimulate individual learning

The underlying aim of all education in a free society is the fullest possible development of the individual—all individuals. The American public school system was established to help make this aim a reality. Our beliefs on the purpose of education shape what we think our schools should be doing. We have declared that:

1. A society, to be self-governed, must be educated.
2. Each individual has worth and dignity.
3. There must be equal opportunity for all, but not necessarily the same opportunity for all.
4. Every experience of the individual educates to some degree.

These and similar pronouncements have specific implications for individual learning. But this goal has become obscured by mass education. Sheer numbers and the formalizing of school procedure have tended to shift the emphasis of the school from the individual to the group, and especially to what is called the "class."

The problem here is to design a physical environment that can foster individual learning and eliminate those conflicting forces which the general class procedure has produced: the creation of stereotypes or classroom "averages"; the teacher's concern with the class as a whole at the expense of his attention to the individual; the practice of keeping the group progressing at the same rate regardless of individual ability, and the effort to teach all members of the class the same things in the same way.

Learning consists of two forces: what the student does for himself, and what he receives from the group. We see our student in this proposed school in a variety of roles, places and tasks. At the very heart of our specifications is the need for the student to have a "home" of his own. Call it Q-Space—Q for quest. So instead of standard classrooms for 25 to 30 pupils, we would like to create space which might serve as the individual student's studio. Here he will live while at school. He will give this school-home of his the marks of his personality; it will be his alone.

In addition to the individual's school-studio, or Q-Space, it is necessary to design space for group activity of various kinds. Small committees and large assemblies must be provided with the physical facilities appropriate to the task of the group.

It is also necessary to provide space for teachers—or counselors, or guidance people, or resource people. Each of these persons also needs an individual school-home or workshop in which he can work, and where he can advise and help an individual with the particular problem of the moment.

These, then, are the basic elements of space necessary for individual learning: the student's studio; spaces for groups varying in size and kind of activities, and individual teacher or counselor studios. And, because man is a gregarious animal, we must provide for communication. There must be communication and interaction between pupil and teacher and between pupil and pupil, on both a person-to-person and a person-to-group basis.

We are not concerned here with space for necessary services and administrative functions, nor do we yet want to see floor plans that adapt these specifications to a specific school situation. We want here to see these ideas translated into sketches.

WORKING FROM THIS THESIS WE HAVE  
SKETCHED THE ENVIRONMENT WE VISUALIZE FOR TOMORROW'S  
SECONDARY SCHOOL. HAVING NO GADGETS, IT COULD HAVE BEEN  
BUILT TEN YEARS AGO. THIS IS NOT A BLUEPRINT, BUT AN INVITATION  
TO EXPLORE THE SPACE NEEDS FOR INDIVIDUAL LEARNING—

# INDIVIDUAL LEARNING NEEDS 3 KINDS OF SPACE:



## INDIVIDUAL STUDENT'S Q-SPACE

ONE STUDENT'S  
HEADQUARTERS FOR  
INDIVIDUAL QUEST



## INDIVIDUAL TEACHER'S STUDIO

→ HIS OR HER OWN  
SPECIAL PLACE



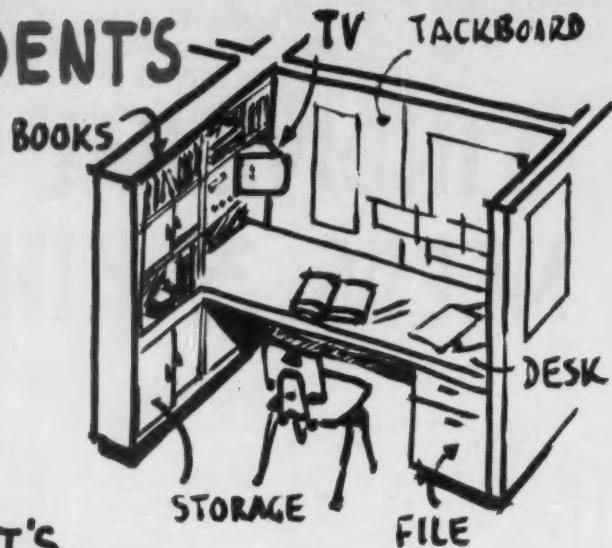
**GROUP  
SPACES  
OF VARIOUS  
KINDS  
FOR INDIVIDUALS  
LEARNING TOGETHER**



THESE SPACES CREATE SMALL  
"ONE ROOM" MULTI-AGE SECONDARY SCHOOLS

# HERE IS ONE STUDENT'S SPACE FOR INDIVIDUAL LEARNING

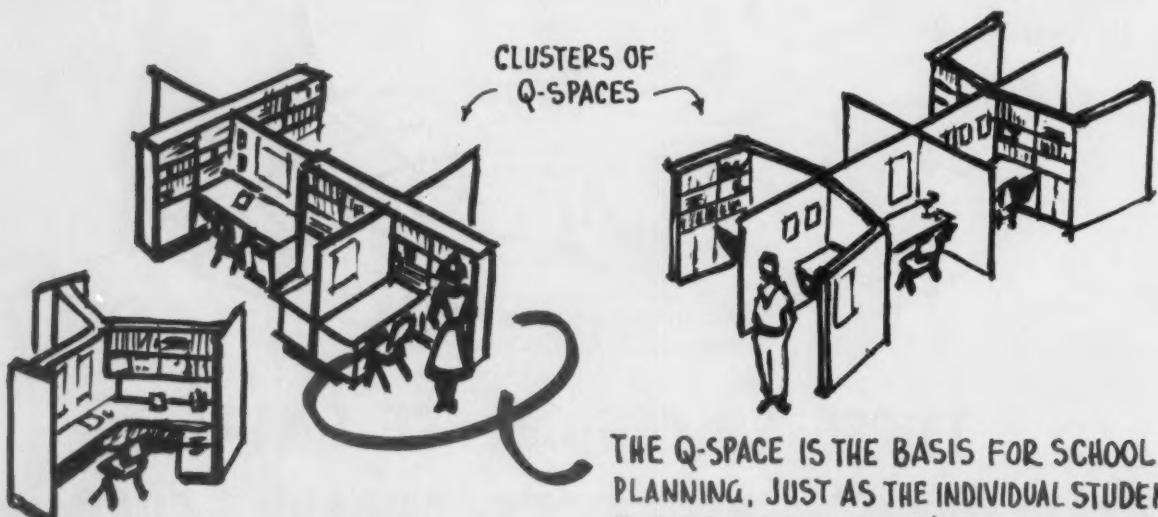
THIS IS ONE STUDENT'S  
HOME BASE AT SCHOOL—  
HIS OWN STUDY, LIBRARY  
AND WORK PLACE.



## "Q-SPACE"

FOR INDIVIDUAL QUEST

HIS Q-SPACE IS HIS OWN SPECIAL PLACE DURING ALL HIS  
SECONDARY SCHOOL YEARS. HERE HE GROWS. FROM HIS  
Q-SPACE HE GOES OUT TO LEARN WITH OTHER STUDENTS  
AND TEACHERS, BUT HERE, INDIVIDUAL EFFORT IS SUPREME.



THE Q-SPACE IS THE BASIS FOR SCHOOL  
PLANNING, JUST AS THE INDIVIDUAL STUDENT  
IS THE BASIS FOR EDUCATIONAL PROGRAMMING.

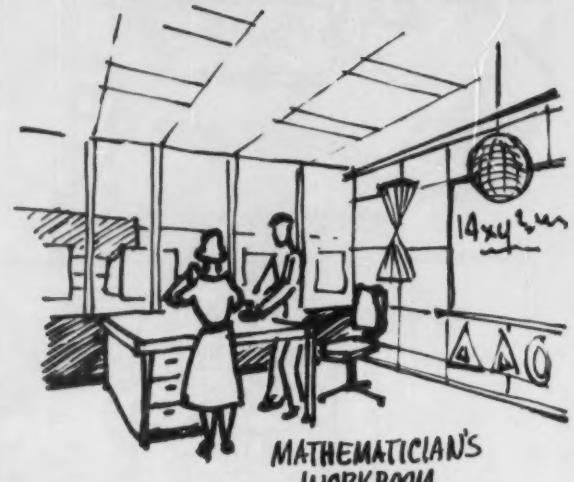


**THESE ARE Q-SPACES DEDICATED TO  
THE EDUCATION OF THE INDIVIDUAL**

- AND THE TEACHER IS AN INDIVIDUAL TOO  
SO EACH HAS HIS OR HER OWN  
TEACHER'S  
STUDIO



HISTORIAN'S LIBRARY



MATHEMATICIAN'S  
WORKROOM



SCIENTIST'S LAB



CRAFTSMAN'S  
WORKSHOP



ENGLISH TEACHER'S STUDIO

THE TEACHER HIMSELF IS EXPRESSED, EXTENDED  
AND MADE VIVID TO THE STUDENT, AND THE STUDIO  
AIDS IN THE TEACHER'S OWN CONTINUING DEVELOPMENT.



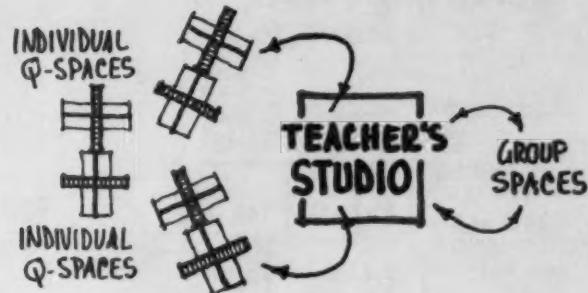
# THE TEACHER'S STUDIO IS ANOTHER PLACE FOR INDIVIDUAL LEARNING

LOCATED WITH SHOPS,  
LABS, GYMS, ETC. FOR  
TEACHERS WHO SPECIALIZE

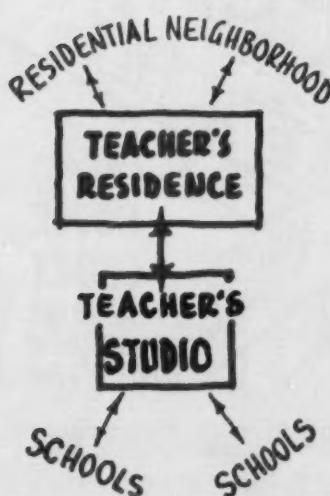
IN SCIENCE, ART, INDUSTRY, OR  
COMMERCE, AND MUSIC, PHYSICAL  
EDUCATION, ETC.

AND A PLACE WHERE  
TEACHING CAN BE AN ART.

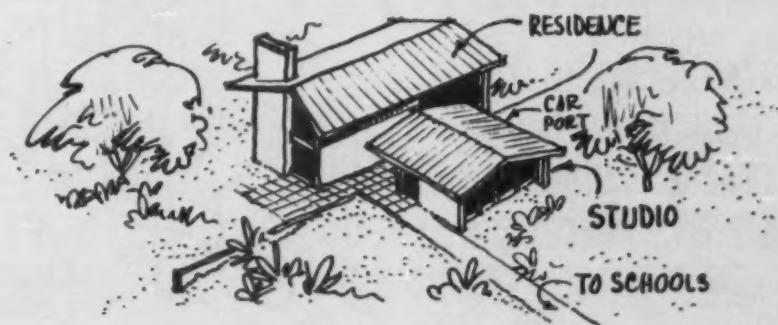
OR LOCATED WITH A  
GROUP OF STUDENTS IN  
THEIR OWN SMALL SCHOOL



-OR EVEN ATTACHED TO THE TEACHER'S RESIDENCE!  
(NOT EVERY TEACHER WOULD LIKE THIS, BUT SOME WOULD.)



THIS PLACE FOR LEARNING IS A VISIBLE LINK  
BETWEEN COMMUNITY AND SCHOOL AND IT  
EXTENDS THE SCHOOL, AND LEARNING ITSELF.  
BEYOND THE USUAL BOUNDARIES.

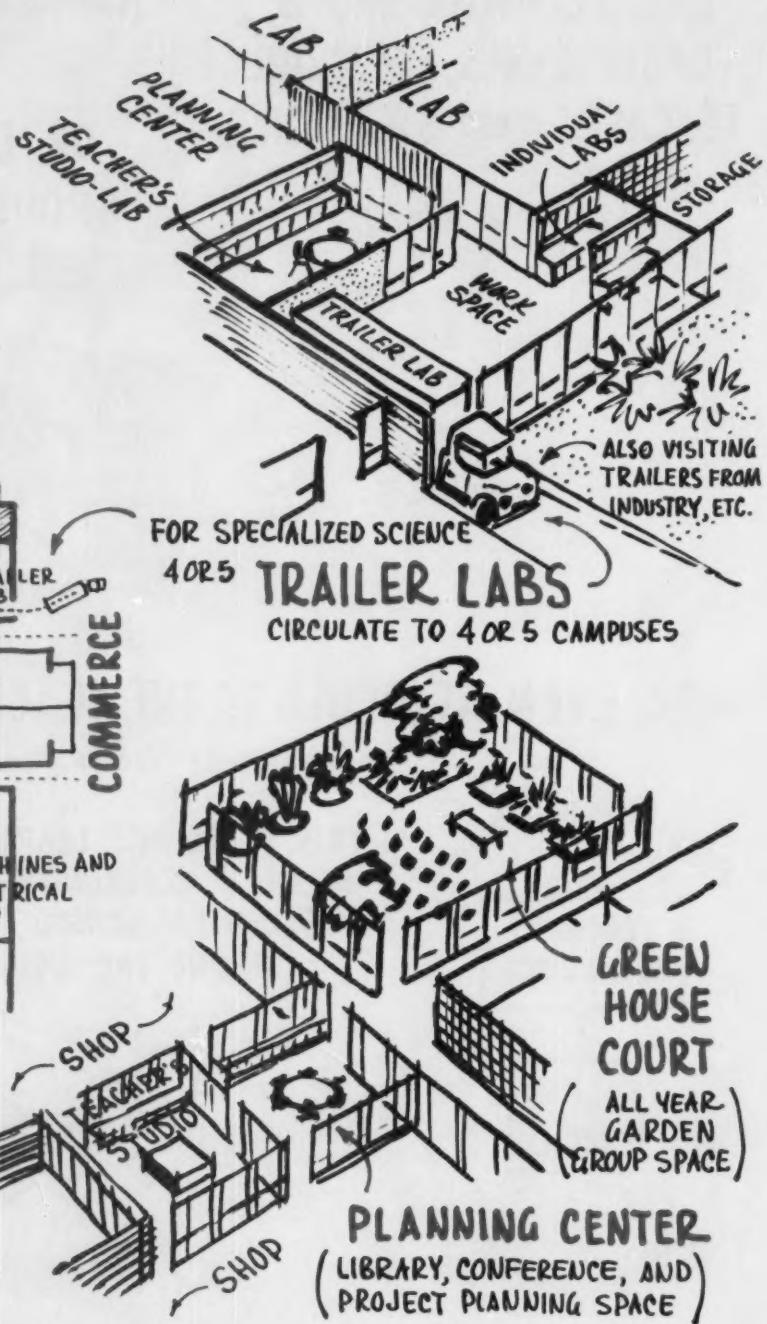
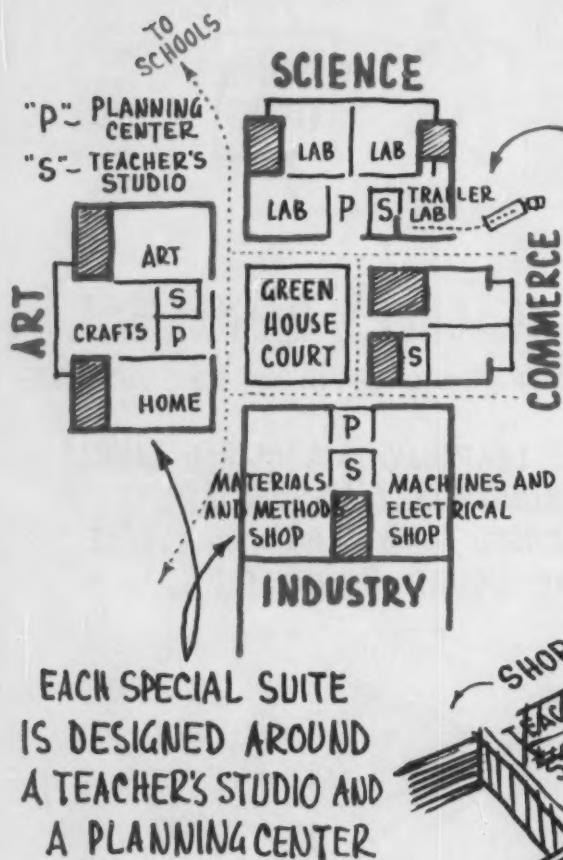


GROUPS ALSO SERVE  
INDIVIDUAL LEARNING

# GROUP WORKSHOPS

PROVIDE SPACE FOR INDIVIDUALS LEARNING TOGETHER

FOR EXAMPLE -  
HERE ARE WORKSHOPS  
(SERVING A NUMBER OF  
NEARBY SMALL SCHOOLS)  
ARRANGED AROUND A  
"GREEN HOUSE COURT"  
WHICH IS AN ALL-YEAR  
GARDEN GROUP SPACE  
FOR LEARNING.



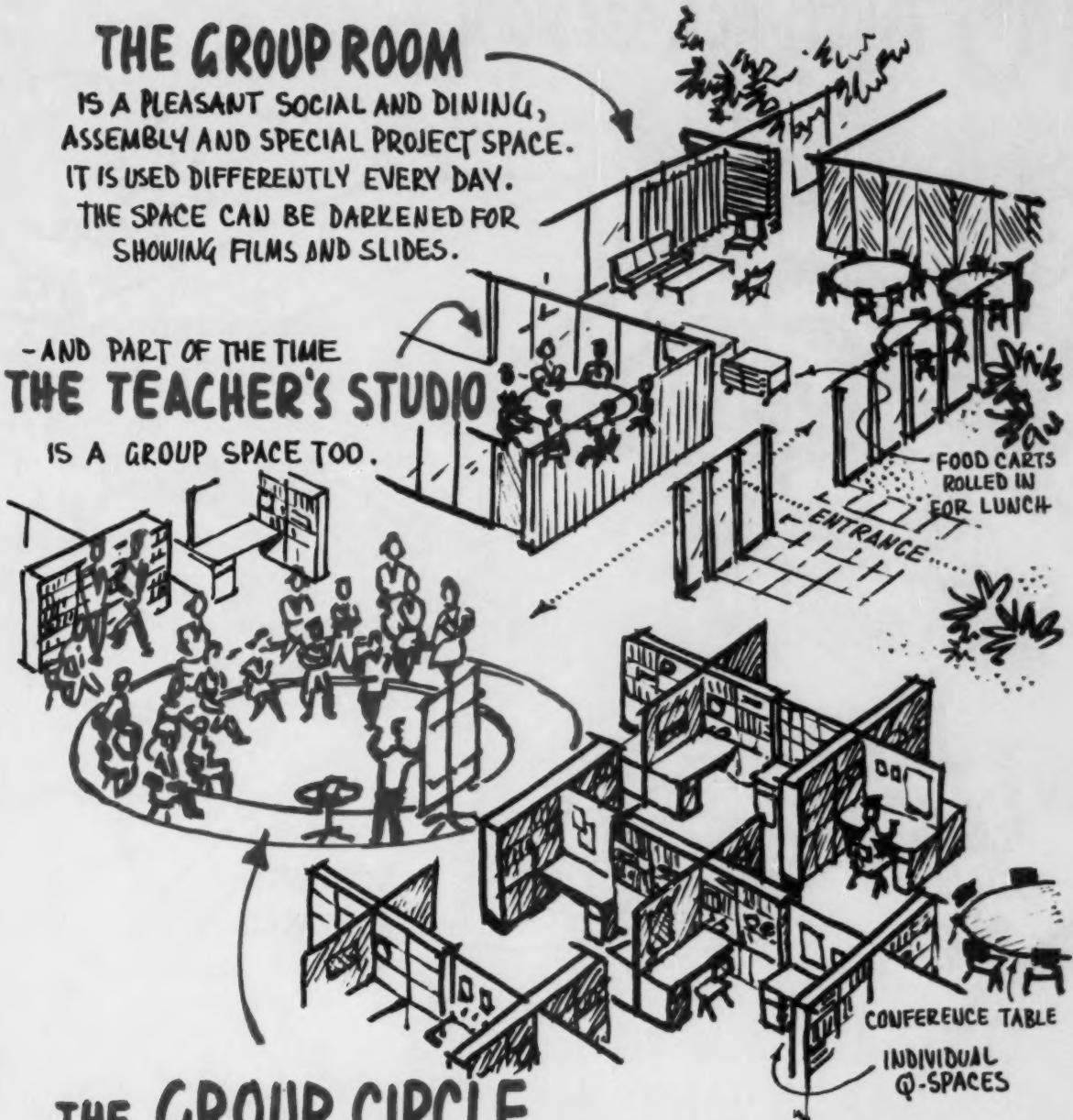
# IN EACH SMALL SCHOOL, EACH STUDENT NEEDS GROUP SPACES OF VARIOUS KINDS—

## THE GROUP ROOM

IS A PLEASANT SOCIAL AND DINING,  
ASSEMBLY AND SPECIAL PROJECT SPACE.  
IT IS USED DIFFERENTLY EVERY DAY.  
THE SPACE CAN BE DARKENED FOR  
SHOWING FILMS AND SLIDES.

## - AND PART OF THE TIME THE TEACHER'S STUDIO

IS A GROUP SPACE TOO.

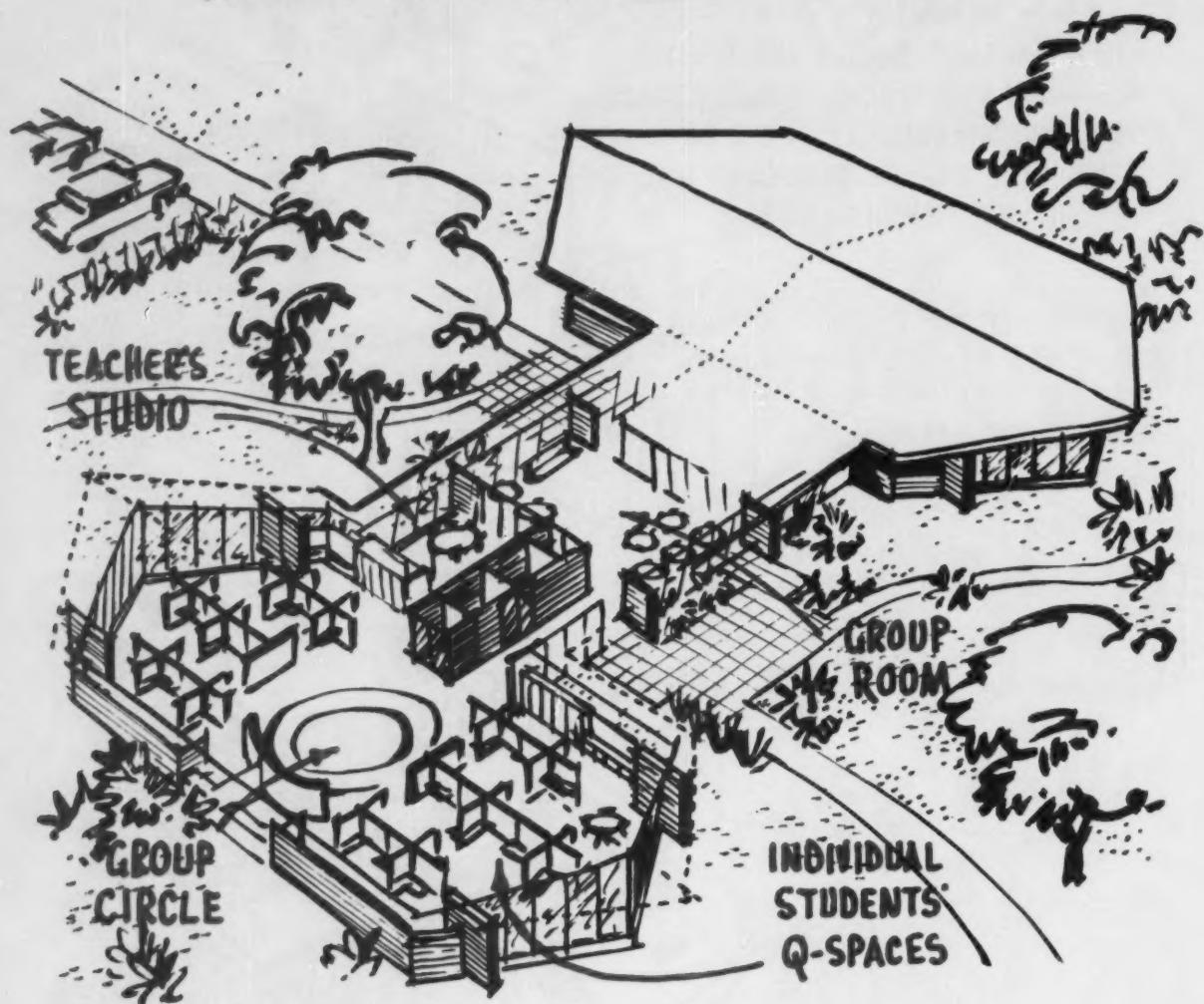


## THE GROUP CIRCLE

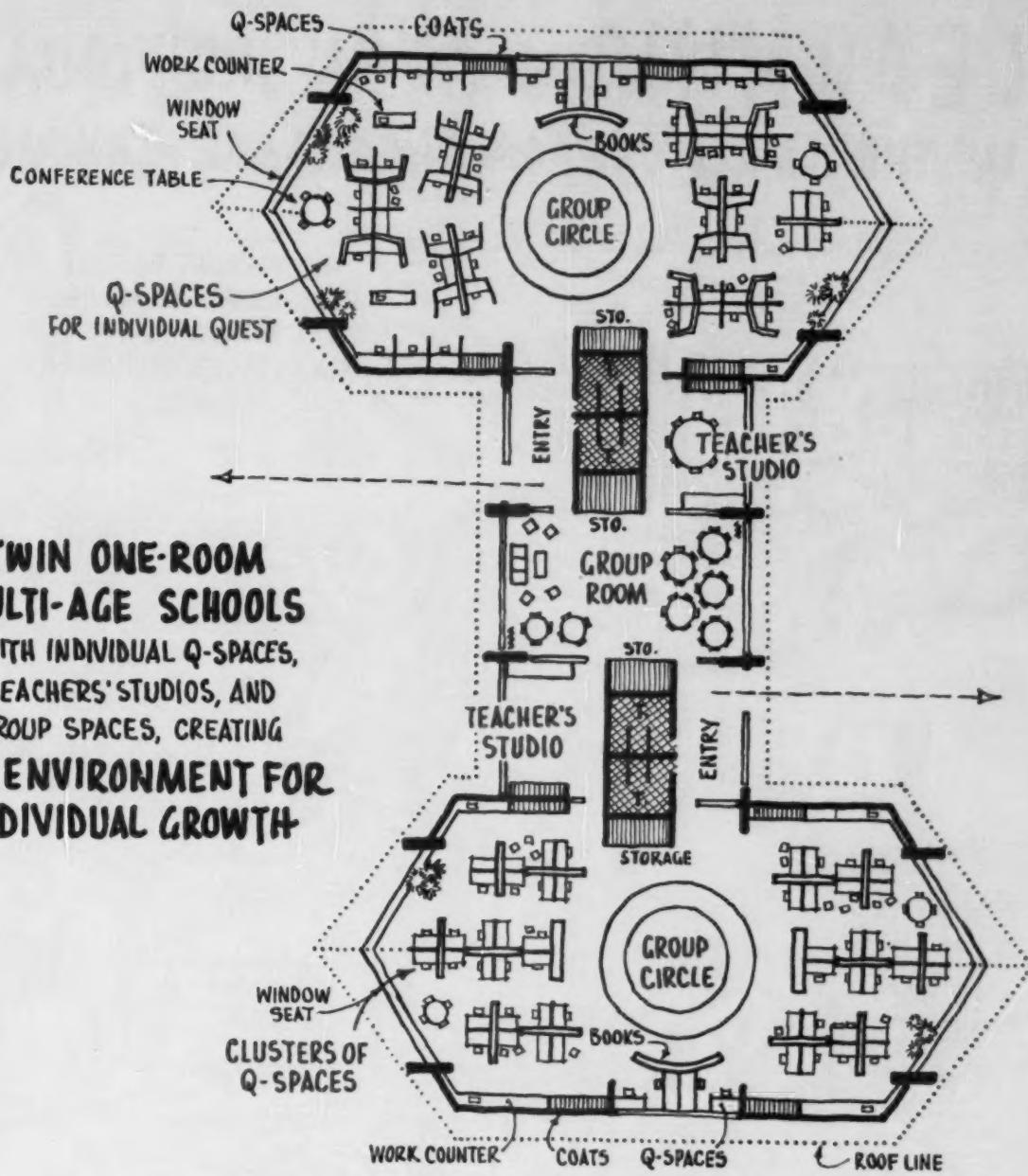
WITH Q-SPACES AROUND IT IS THE HEART OF THE SCHOOL.  
FOR EXAMPLE, HERE A GROUP OF STUDENTS MEET TO HEAR AN  
HISTORIAN SPEAK AND TO DISCUSS THE SUBJECT WITH HIM.

# COMPOSING THE SPACES

TO CREATE A SMALL  
MULTI-AGE SCHOOL -



THE INDIVIDUAL LEARNS ALONE AT HIS OWN SPECIAL PLACE  
(AND PACE) AND LEARNS WITH TEACHERS AND OTHER  
STUDENTS. THE SCHEDULE FOR EACH IS HIS OWN.



## A CHANGE IN BASIC STRUCTURE FOR SECONDARY EDUCATION —

THE INDIVIDUAL STUDENT (NOT THE "CLASS") IS THE  
BASIS FOR EDUCATIONAL PLANNING AND SCHEDULING.

THE INDIVIDUAL Q-SPACE (NOT THE "CLASSROOM")  
IS THE BASIS FOR BUILDING PLANNING.

# LEARNING AS AN INDIVIDUAL IN THE SMALL "ONE ROOM" MULTI-AGE SCHOOL

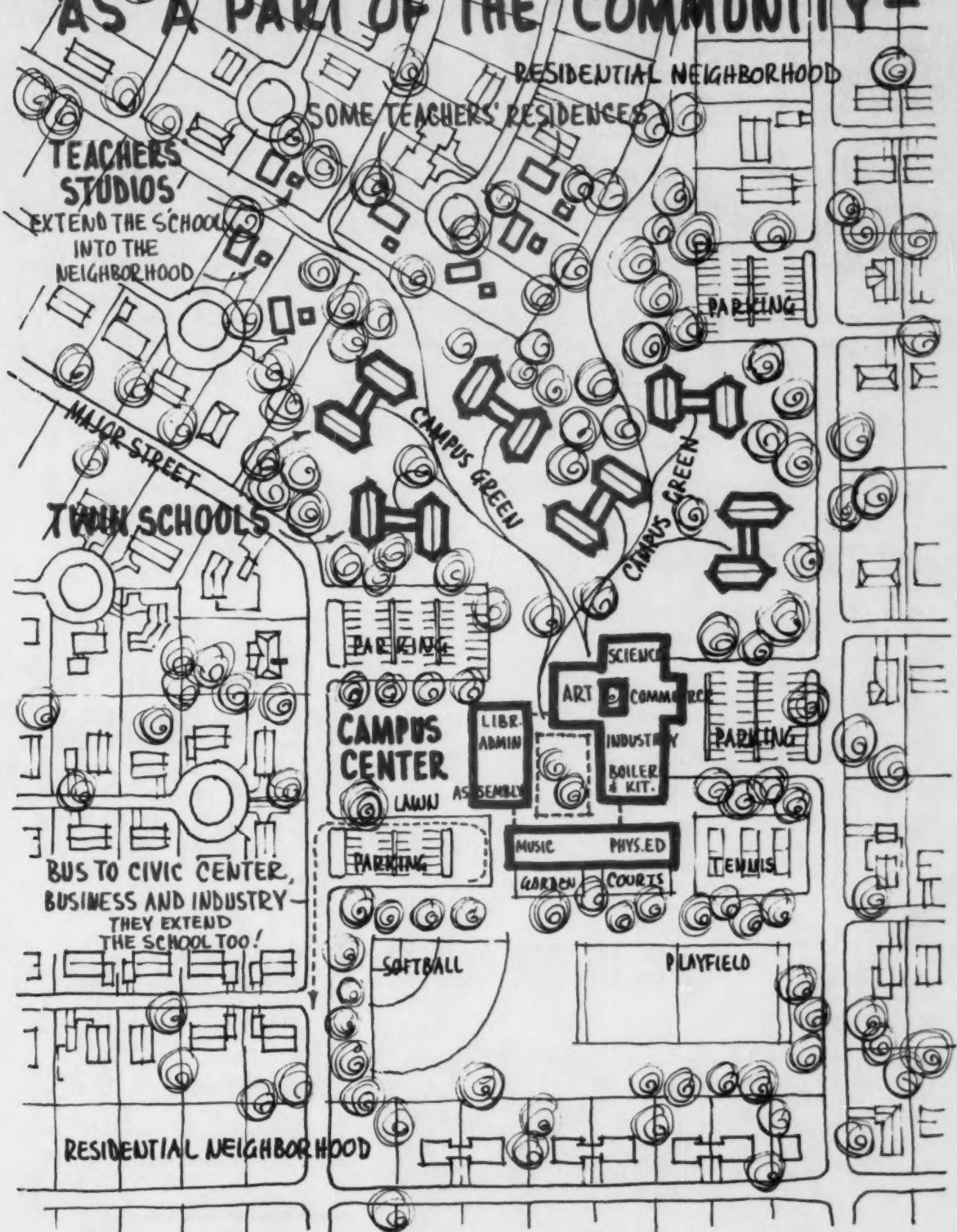
INDEPENDENT EFFORT  
PLUS GROUP LEARNING  
CAN COMPOUND THE  
ADVANTAGES OF BOTH



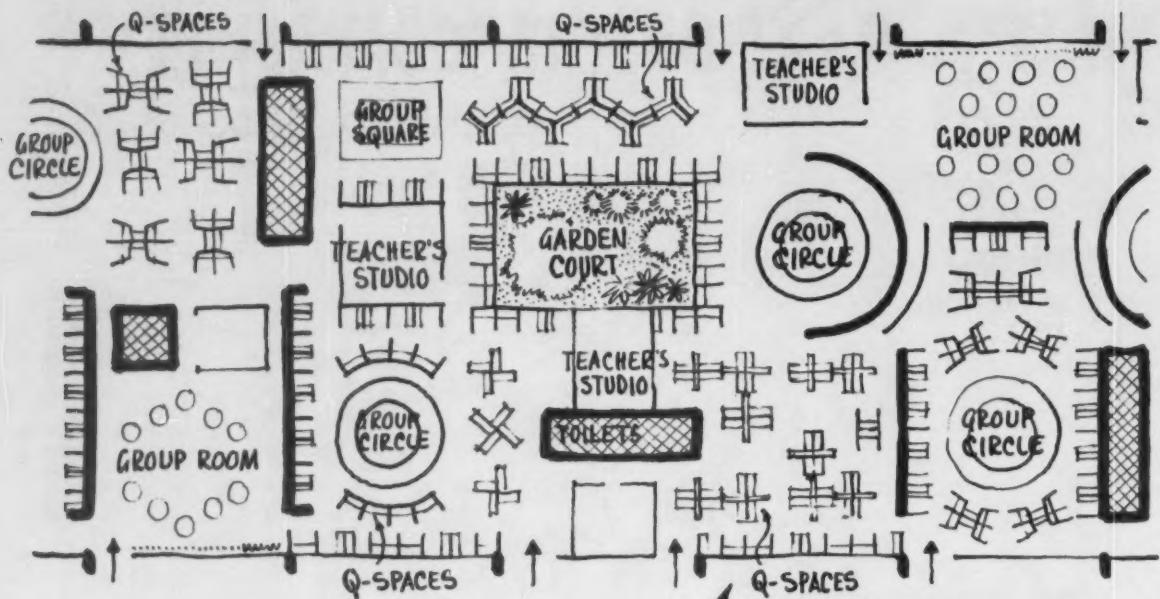
FROM THEIR INDIVIDUAL Q-SPACES AND FROM TEACHERS' STUDIOS, STUDENTS (OF ALL SECONDARY SCHOOL AGES) ASSEMBLE AT THE GROUP CIRCLE FOR A LITERATURE FORUM. IT IS LED BY OLDER STUDENTS, IS STIMULATING TO THE YOUNGER.

THEN SOME GO OUT TO LABS AND SHOPS  
AND OTHERS RETURN TO THEIR OWN Q-SPACES.

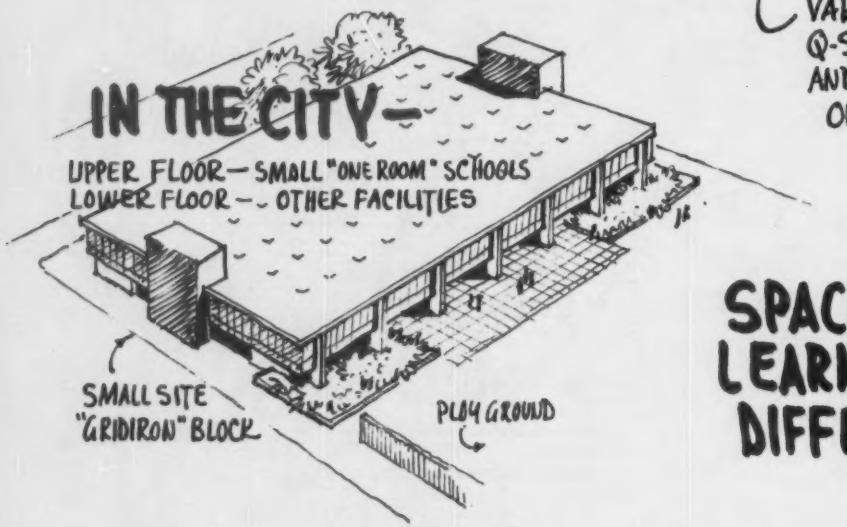
# NOW LET'S VISUALIZE THE SCHOOL AS A PART OF THE COMMUNITY -



# NO OTHER SCHOOL IS YOUR SCHOOL

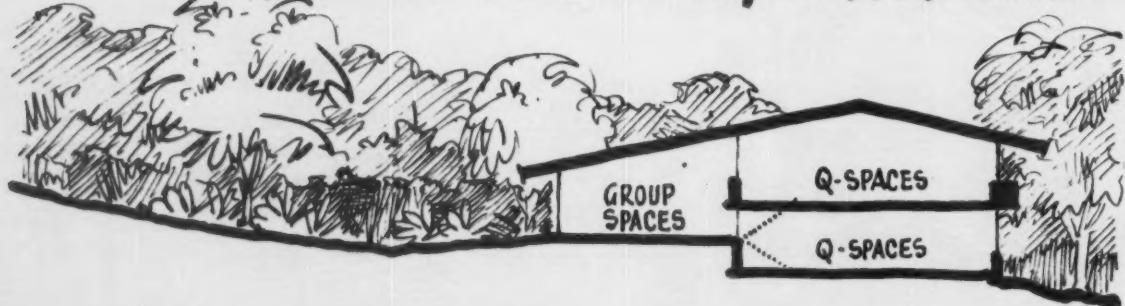


VARIOUS ARRANGEMENTS OF  
Q-SPACES, TEACHERS' STUDIOS,  
AND GROUP SPACES USING  
ONE LARGE FLOOR AREA-

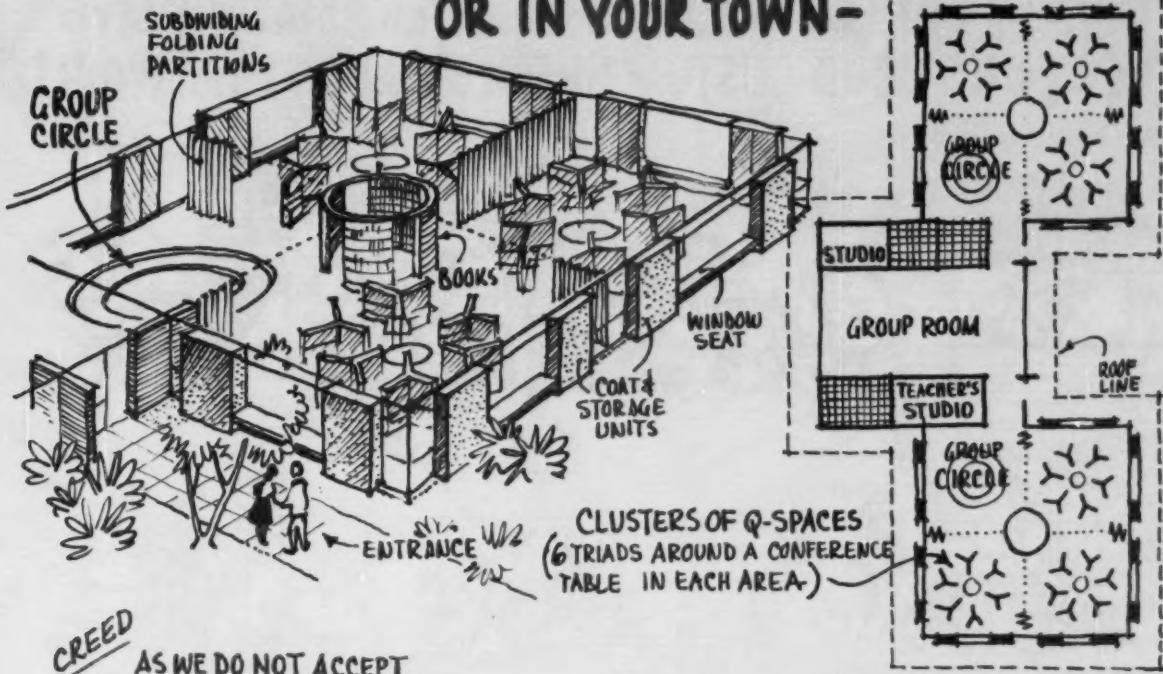


SPACE FOR INDIVIDUAL  
LEARNING TAKES MANY  
DIFFERENT SHAPES

OR IN THE COUNTRY, ON A HILLSIDE -



## OR IN YOUR TOWN-

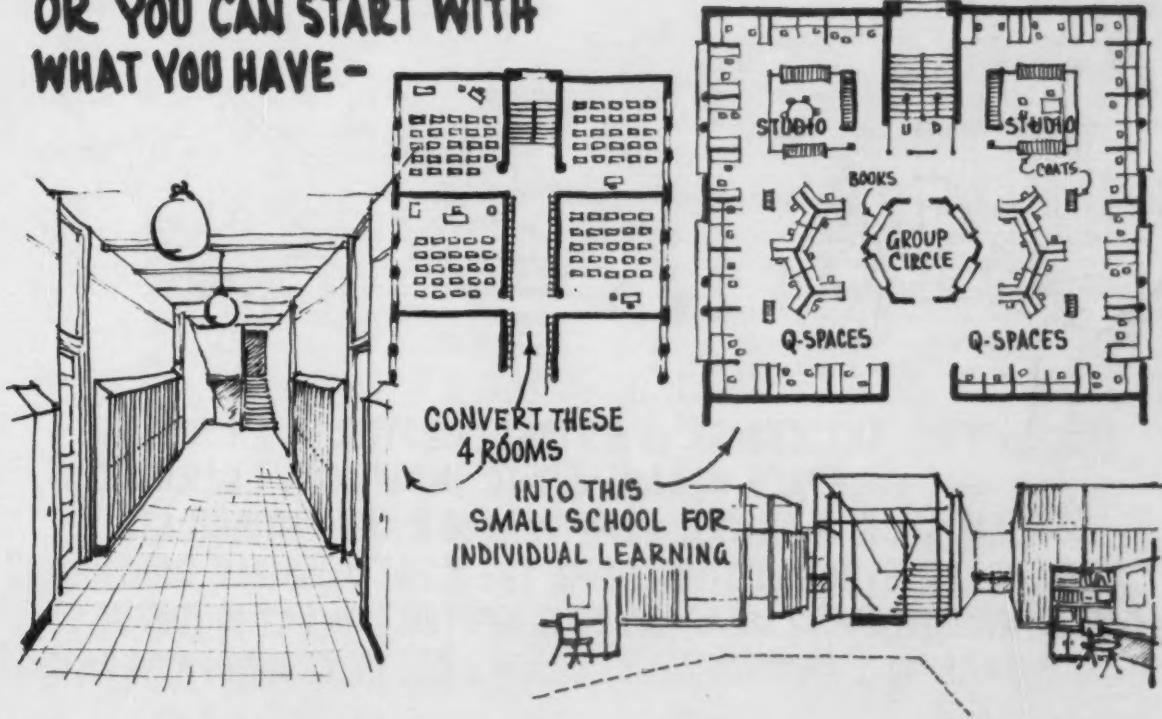


### CREED

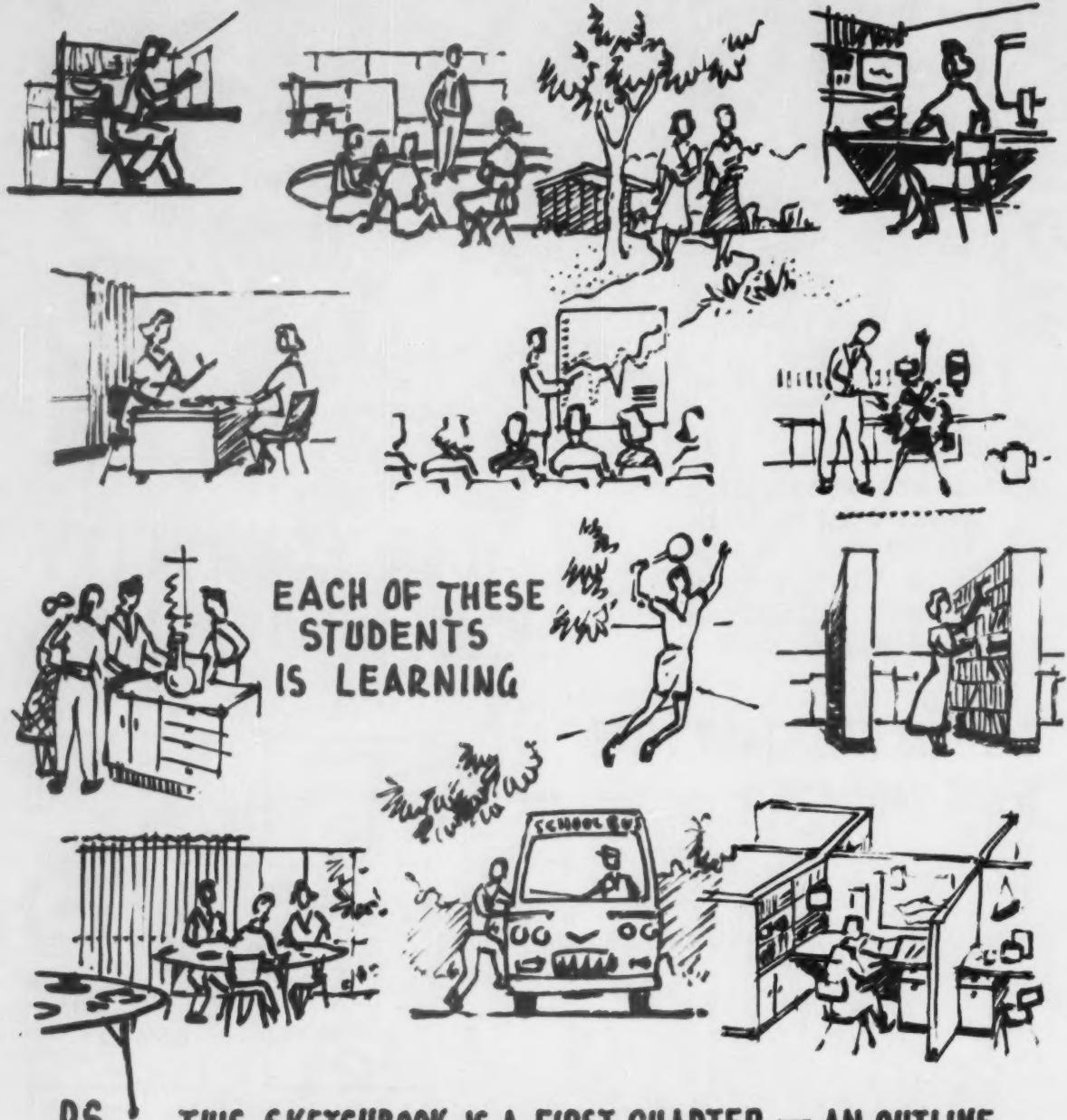
AS WE DO NOT ACCEPT  
STANDARDIZED EDUCATION  
FOR INDIVIDUALS, NEITHER  
DO WE ACCEPT STOCK-PLAN  
BUILDINGS FOR INDIVIDUAL  
COMMUNITIES.

## YOUR COMMUNITY IS AN INDIVIDUAL TOO

## OR YOU CAN START WITH WHAT YOU HAVE -



THUS LEARNING "FULFILLS ITSELF IN MANY WAYS  
LEST ONE GOOD CUSTOM SHOULD CORRUPT THE WORLD."



EACH OF THESE  
STUDENTS  
IS LEARNING

P.S. THIS SKETCHBOOK IS A FIRST CHAPTER — AN OUTLINE  
OF SPACE PERMISSIVE TO INDIVIDUAL LEARNING.  
CAN SUCH A SCHOOL FREE TEACHERS AND STIMULATE  
EACH STUDENT TO BECOME THE BEST POSSIBLE INDIVIDUAL?  
CAN CONVENTIONAL CLASSROOMS DO IT BETTER? WHAT IS THE BEST  
SPACE FOR INDIVIDUAL LEARNING? IT IS WORTH SEEKING!

# Don't Teeter on the Totter of INDECISION

by VAN MILLER

**T**HE ONE CENTRAL problem forever with the school administrators concerns what a good school is or what it does. Is the school "good" according to the state department of education, or the North Central Association, or the Council for Basic Education, or the Taxpayers' Federation or the chamber of commerce?

Is the school most concerned with health? fundamental processes? aesthetics? worthy home membership? civic competence? intellectual discipline? life adjustment? science? humanities? Which of the Seven Cardinal Principles is the most cardinal? Which of the Ten Imperative Needs of Youth is most imperative? What is the order of goals or purposes?

An amazing feature of American education is the number and the diversity of the demands put upon the public schools. They have been cited as evidence of confusion and as the source of conflict and pressure upon administrators. They have not been cited frequently enough as evidence of the tremendous interest in and concern for education on the part of the American people, nor as evidence of the freedom with which

Americans are able to express themselves.

In a recent table conversation the writer was asked if he felt we would ever all get together and agree upon what schools are for. Of course this will never be done. There is no Mr. Khrushchev to announce such a decision for American schools in the definitive way in which it can be determined and imposed upon the Russian schools. (Though at times it seems that there are several who aspire to be the Khrushchev in calling the signals for American schools.)

What the schools should do is not a question which gets settled for us nor is it likely to be settled by us. It remains a central question conditioning all decisions in school administration. As long as schools are controlled through local school districts any national educational policy in this country will not be concluded. It will have to be interpreted from the composite of local school decisions. It will be a reflection of what people are currently valuing rather than a decision agreed upon or imposed.

## Respect for individuals

In the welter of so many criticisms, demands and proposals is the local administrator confronted with a life of trying to help schools do a little bit of everything in an attempt

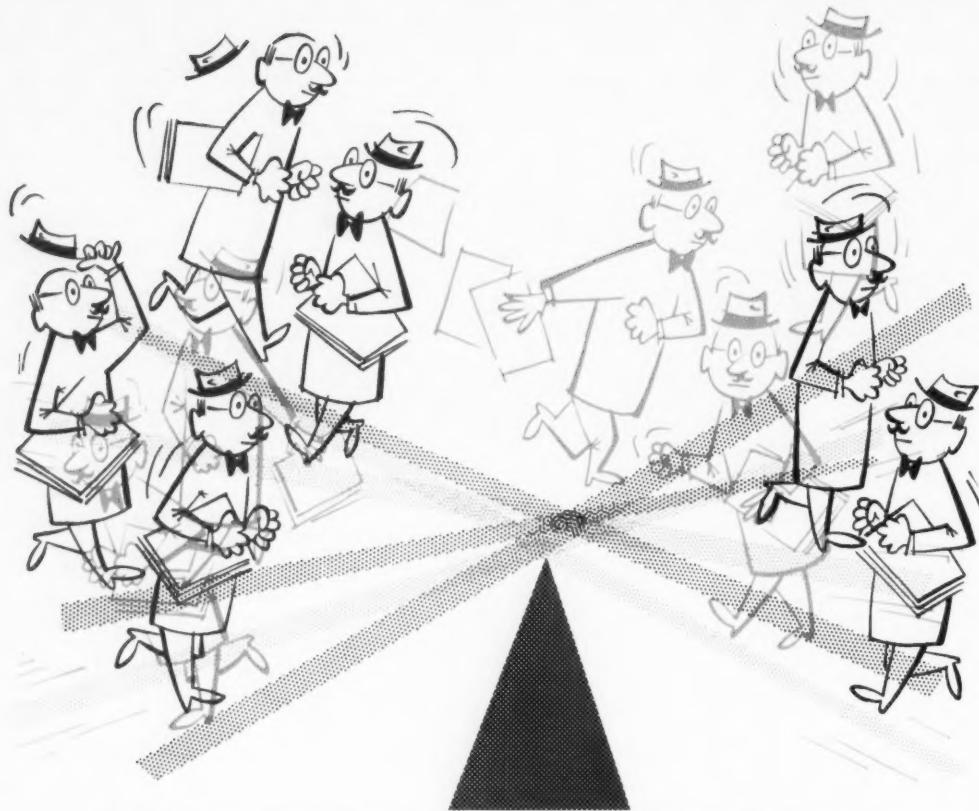
to keep everybody at least partially happy? Is he to grease the squeakiest wheels? Is his job to be forever rocky and unstable as he runs back and forth on the giant teeterboard trying to balance or counter-balance the various impacts of popular whim or opinion? He will certainly be in for a fatiguing career if he does not understand and accept the basic value upon which all public school decisions must be weighed. With such a value as the fulcrum the teeterboard can become a giant lever on which the various pressures applied can serve to mobilize American schools into broader service and sharper effectiveness.

At this point we should divert our attention long enough to insert a special note to the administrative theorists. Those who would construct a theoretical model of administration have commonly stated that values are variables. This may well be true for someone theorizing about administration to predict administrative behavior. It cannot be true for the administrator who has to determine and be responsible for his own administrative decisions. He must start with a basic, identified value as a constant. If he does not do this his administrative decisions will be inconsistent, unpredictable and personally bewildering.

That value is well revealed in the

---

This is the fifth in Dr. Miller's series of articles on administrative leadership in public education. He is professor of education at the University of Illinois.



Your job will be forever rocky and unstable if you run back and forth on the giant teeterboard trying to counter-balance the various impacts of popular whim or opinion.

operation of American schools, and has been reaffirmed by speakers and writers dealing with the American creed and with American education. *It is respect for the dignity and worth of individuals.* In the most recent professional meeting of administrators attended by the writer every speaker gave much attention to this basic value. In a panel discussion on the facts about school effectiveness this was the focal point on which the panelists could agree. It is the value most frequently mentioned by students who are asked how they would describe American schools to foreign visitors. It is a value to which much lip service is given but it must be applied more frequently in school administration decisions.

In affirming the inherent dignity and worth of humans it is necessary to consider all individuals as worthy. This is not an easy point. Most of us can value many or most individuals but at the very point at which we are

willing to discard some individuals we weaken belief in the inherent worth of each. At such a point we substitute a selfish belief that those are worthy who will serve our own purposes or who appeal to our personal tastes. This is *self-enhancement* rather than enhancement of individuals. This is different from a belief in the *inherent* dignity and worth of individuals.

#### Educational democracy

Compare the approach of the American public schools to individuals with the approach of other groups and organizations. In virtually all other groups membership is attained because the individual has something to bring to the group: He accepts and is confirmed in a faith for membership in a church. He supports the platform for membership in a political party. He sings the right part for membership in a quartet or plays well enough to make

a band or knows his bridge well enough to make a bridge club. To become a member of a business organization he must bring a needed skill or capital or at least an established name. Conditions of membership are stated in terms of the worth of the person to the group.

The public schools state it the other way around. In effect, the schools say, whoever you are and whatever you are—if you reside in our district—we will accept you for membership and will not turn you down unless we cannot serve you. The condition for membership is stated in terms of what an organization can do for the individual.

The ideal American school operationally says that whether the child is rich or poor, black or white, Republican or Democrat, religious or irreligious, bright or slow, well-mannered or troublesome, that whatever the child is—the school and the American society through its schools

believe in the child enough to invest up to 12 or more years of schooling in him. The school refuses only those whom it is unable to serve appropriately. These have traditionally been the physically and the mentally handicapped and the socially maladjusted. This rejection is still irrespective of individual worth because it is done for reason of the school's inadequacy rather than the worthlessness of the child. In fact, through the years the public schools have always extended their capacity to serve all kinds of individuals by adding courses and services. The example is especially apt when we consider development of special education for exceptional children. Here is real respect for human worth, a respect that says to each: you are worth time and money and attention; as far as we are able we will give them to you and we will continue to reduce our incapacity to serve you.

#### Legal insurance

That society's concern for individual worth extends to everyone is assured by the common compulsory attendance law and the accompanying school census. Through the operation of these legal procedures society finds out by name each individual child. If pupils are compelled to attend school there is a real obligation to make school worth their while. Anything less is simply a removal of children from the streets and out of the way of adults. Compulsory attendance enforcement either brings each child into school or into an equivalent educational program or to public attention through examination and certification of whatever handicapped condition puts the child beyond the school's services.

The real compulsion of these laws is on society. It puts teeth into our determination to respect the worth of each individual.

The service of the schools to individuals has likely grown out of the local nature of school administration. This is the most cogent reason for continuing school administration at the local community level. Here the learners can be known as individuals. At a state or national level they are likely to become statistics instead of

persons. Educational decisions at the local community level can be made in terms of who and what each of the learners personally is. They can take appropriate account of the balance of his time outside of school hours, of his family and neighborhood background, of the possibilities and resources available to him.

If education in American public schools is designed to serve individual clients then as many of the decisions as possible must be kept close to the point where their individuality can be taken into account.

#### Elastic programs

Under such an approach, the pupils are neither to be processed through the school into some finished product for the employment market nor to be committed to government service under pre-arranged contract. The gifted are not to be considered a national resource to be identified and then directed into scientific careers to best the Russians in space travel. The gifted are persons who need to be identified so they can be appropriately served as clients who may choose scientific careers in the light of their ability and the current pressing social needs, or who may choose a variety of other careers socially useful and within their capacity. This must also be true for all other individuals if the basic value of respect for human worth is the pivotal point for decisions in school administration.

Under such an approach there is no standard program for all pupils nor even a set of categorized treatments to be applied to corresponding classifications of pupils. Pupils are grouped for efficiency in learning but are recognized and dealt with as different and unique individuals even within groups.

A school is as good and effective as it is able to reach and recognize and serve individuals in terms of their respective capacities and interests. It is effective when it implements our democratic faith in the inherent worth of each individual. It is effective when it leads each individual to develop into a person worthy of respect.

There is still another aspect of this

basic value as applied to decisions in school administration: the school is effective when it gives *all* individuals the chance to practice their faith in personal worth through participation in American education, as voters and taxpayers and board members and PTA members and participants in citizens' advisory groups. The successful school does not take over responsibility for the children but it is the means through which the total local community works at its responsibility.

As citizens participate in school decisions on the basis of what can be done to enhance the worth of each individual, they make decisions on a level of values reaching beyond mere convenience and current times and the local geographic community. The recognition and respect for each individual on the part of the school is thus important not only with respect to pupils but with respect to the citizens of the district.

#### Public participation

Schools have accepted pupils to membership on the basis of the school's ability to serve the individual. This has meant differentiation of the educational program for each child. Compulsory attendance laws and the school census have provided the mandate to society to find and consider each child individually by name and circumstance. American schools have most decisions made in the local communities where pupils can be known and understood as individual persons. Under such an approach pupils are clients to be served rather than raw material to be processed.

Through the public involvement in school administration all citizens may use the school personally as the agency through which they can express their respect for the dignity and worth of every individual. Such a basic value does not settle school decisions, thus setting them up for routine and thoughtless administration. Rather, it keeps decision-making an ever continuing public process in terms of each new individual and every new circumstance. This is the foundation of the dynamic quality of American education.

## Talking about libraries . . .



Seattle library, courtesy "Schoolhouse"; Art Hupy photo

"The finest arrangement imaginable is a library of functional size and optimum staff in each elementary school."

## Central Library on a Low Budget

with tips on planning, staffing—and sharing

by W. AMOS KINCAID and MAMIE INGRAM

**A** N ADEQUATE LIBRARY is just about indispensable for meeting the individual needs of all children in general and of the "gifted" in particular. The finest arrangement imaginable is a library of functional size and optimum staff in each elementary school. For 500 to 600 pupils it would include a library suite, 1,500 sq. feet in area, one full-time librarian and clerk, 6,000 volumes of literature and resource materials and audio-visual aids, if part of the library set-up. This arrange-

ment, however, could range from \$75,000 to \$100,000 per school.

But Hempstead, New York has come up with a library program which it believes meets its elementary school needs very well indeed, and which costs only a fraction as much as the library-in-every-building plan. In the Hempstead plan the literature program is completely decentralized. That is to say, each home room has its own collection of 100 to 150 books for ready use by the pupils; these collections may be exchanged, in whole or in part, with other classrooms of the same grade or the next higher or lower grade level. Also, each home room from the 4th grade up has its own encyclopedia

and certain other standard reference material.

To answer the need for supplementary enrichment materials for the boys and girls, Hempstead has established a Central Resource Library, which is administered by a full-time librarian aided by a full-time clerk. The district presently owns about 11,000 volumes and expects to buy 4,000 more before it will consider the job completed. Although the resource program has been in full operation for only a little over a year, it has already proved its value beyond question, at least in the eyes of the classroom teachers. To obtain 15 to 50 curriculum-supporting books, a teacher

Dr. Kincaid is superintendent of schools in Hempstead, New York; Miss Ingram is an elementary school librarian in the same system.

has only to send a request to the librarian for help on a given subject. The books are delivered on the following Tuesday, and they remain with the teacher and her children as long as needed.

As the school superintendent views the program there is only one "hitch." At the rate the service is growing it may be necessary in the very near future to provide a second librarian to take care of the demands. This, however, is a service that almost any school system with 2,500 to 3,000 elementary pupils can afford. While the Hempstead District owns about 10 books per pupil (in both home room and resource collections), it has only one library room (of 1,500 square feet) and presently only one librarian. Except for the books, the initial cost plus the operational cost is just about *one sixth* of that of the library-in-every-building program.

The Central Resource Library has fully justified itself in its first year of service. Over 7,500 books were circulated and many of them did double duty. For instance, where there were two teachers per grade within a building, one teacher might place a requisition for the two of them, if the children of both rooms were working on the same unit. The total number of teacher requests for resource aids was 488 from some 105 teachers.

#### Library workshops

Use of the central collection is growing monthly and appreciation for the enrichment it offers increases accordingly. In another year or so additional personnel is almost certain to be needed. But this is really a blessing in disguise, for more reasons than one. Among other things, it will provide time for the then head librarian to conduct workshops for both teachers and students in the use of resource materials. There will be time also to help principals and teachers select books for the home room libraries, and to assist teachers in story hour and literature appreciation periods.

And now for a bit of history about the Hempstead elementary school library program and how it has

grown. The children's literature and standard reference home room libraries (total 15,000 volumes) were developed slowly over a long period of years. The Central Resource Library program now in progress will be completed in three years. For this latter program the necessary space was already available in one of the older elementary school plants; thus the initial outlay was held to a minimum. The first year's appropriation was \$25,000; of this amount \$20,000 went for the basic 8,000 volumes, and the remaining \$5,000 for stacks and other equipment. Last year's budget provided for an additional 2,400 books and this year's budget anticipates still another 3,000. The remaining 1,600 volumes of the planned 15,000 will be added a few hundred at a time, to strengthen the collection and keep it up to date.

However, perhaps a couple of words of caution should be added. The launching of a resource library on such a large scale is a job for an experienced librarian. It requires a great deal of practical knowledge of the special kind that comes only through first-hand acquaintance with school library situations. It requires also an understanding of people and of how to enlist their interest and cooperation in developing the lists of books essential for backing up the schools' many courses of study.

The second caution concerns the amount of work involved in getting the basic 8,000 volumes ready for use. Nearly eight months passed between the day of the first planning conference with teachers and the day that the last book purchased was catalogued and shelved. Fortunately, Hempstead decided to withhold service until all books were ready. To have started when the first 2,000 books were catalogued would surely have led to chaos and given the program a poor send-off.

In its combination home room-central resource approach, this community has had a gratifying experience with an economical elementary school library program, which could work perhaps as successfully in your school situation.

Hempstead's central service in action:



The books arrive from the Central Resource Library . . .



to be unpacked and catalogued . . .



. . . and greatly appreciated!

## Put your elementary library to work

**A well-stocked library is the heart of a good school; the author tells how it can aid teachers and teaching**

by BEN M. HARRIS

DAN CAME BURSTING into the library. He was panting, out of breath. His eagerness to find a certain word in the large unabridged dictionary caused him to forget the "no running" rule. "But, but . . ." he tried to explain as the librarian cautioned him to slow down, ". . . they are waiting for this information!"

Dan was a 6th grader and needed no help in using the dictionary, so the librarian turned again to the 3rd-grade class seated in the reading area. She had been reviewing the location of books in the library with them when Dan burst upon the scene. Children had been asking questions. As the questioning ended the children were given instructions by their teacher, Miss Corbett, to browse and select a book to check out.

Just then three little people arrived on the scene from Mrs. Brown's kindergarten. The librarian walked over, stooping down to their size to ask, "Well, what can I help you with this morning?" The two little girls and a boy formed a committee delegated to select a picture book for their class. Mrs. Brown was going to read their selection to them tomorrow. The kindergarten class had visited the library before, so this dele-

gation knew where the picture books were shelved, but the librarian went with them to look through, discuss and select the one large colorful picture book to carry to their teacher.

### Library at work

Had we remained in this small elementary school library just a little longer many varied activities by many people might have been observed. The guidance worker might walk in with a "behavior problem" in hand, a problem growing in part from the fact that this child had "read all the books in the room." A 4th-grade teacher might come in before school to select a record album of folk dances for the physical education activities later in the morning. 5th and 6th grade boys and girls might come in periodically all day long to get carts to take to the classrooms with various kinds of audio-visual equipment on them. A small group of 4th graders might be found arranging a display of pictures, maps and objects in the glass display case—the results of their recent social studies unit projects. An unhappy group of children of all ages might be found outside the library door on the afternoon it is closed for a faculty meeting. We might see the librarian standing there answering questions—"Why is it closed?", "Can't we come in for just a minute to get a book?", "Why can't the teachers meet someplace else so

that we can use the library?"

These and other scenes are commonplace in a modern, well staffed and organized school library. Here is a facility which is in no sense an educational frill. Leaders in curriculum are growing more aware of the essential nature of a library—that of providing a good educational program for little children.

A modern elementary school library is the instructional materials center of the entire school. As such it makes a unique contribution, and is indispensable to the school program.

The library is able to provide something of worth for every child. It is a service center for the teacher, providing on request any of a wide assortment of aids to better teaching. The library well stocked with books, pictures, pamphlets, magazines, recordings, slides, filmstrips and instructional equipment can be the very heart of a good school. It is this heart from which flows the life blood for effective teaching in reading, science, social studies and health into every classroom. The trained librarian who is familiar with the school curriculum is a resource person to the child and teacher alike.

### What the library offers

*A good reading program and a good library are inseparable.*

One does not exist without the

---

Dr. Harris is an assistant professor of educational administration in the College of Education at The University of Texas, Austin.



Displays on tops of shelves heighten interest in new books. Classroom projects are also exhibited in library.



Librarian stores phonograph records in shelves. Record player is available immediately adjacent to the library.



Special maps, for circulation, are kept in the library. Basic maps are already installed in the classrooms.

other. The basic essential for beginning reading is an interest in books, a desire to know what the books contain. Kindergarten and 1st-grade children make regular visits to a good elementary school library. They browse, select a picture book, gather around and listen to a story.

Children, sensing the first sweet drops of satisfaction from skillful reading instruction, want to turn to a book of *their own choice*, take it home and demonstrate to all who will listen their new found skills. Is the library at hand to meet this need?

The middle-grade child is gaining independence in reading. The desire to read is so great that a hundred books may be required in a single year! A skill grows into a joyous habit of life-long duration—if the library is close at hand!

*The elementary library is a research center.*

As children pursue social studies, science, health, music, language and literature, the library provides a center where real intellectual and cultural growth can come to fruition. Here they can learn the skills of systematic inquiry. The children, under the wise guidance of teacher and librarian, come to recognize that knowledge is not all within the textbook or a single encyclopedia. They learn to use books, magazines, pamphlets, pictures, films, recordings and

other material, too, as sources of information and ideas. Skills in using the card catalog, reference books and special files are developed. Children with access to a school library and training in its use need never plead ignorance and know not where to turn for enlightenment.

*The elementary school library challenges and stimulates.*

Many elaborate programs have been proposed for better meeting the needs of the more able children. The good school library provides unlimited challenge for all children, but especially so, perhaps, for our gifted. Not only can the materials be sufficiently challenging, but their variety and accessibility offer a richness of experience rarely equaled by even the most elaborate special program. Magazines, newspapers, fine literature, the world's great music, science exhibits, special charts and maps, and filmstrips are all part of the modern elementary school library's challenge and stimulation for the more able children.

*The elementary school library is an opportunity for the slow child.*

In the library, books have no grade levels marked on them. The slow child can browse and select according to his interests and abilities. Pictorial materials will stimulate anew and the slow child can hold his head up high with dignity and pride as he returns to class or home

with a newly discovered book.

*The elementary school library is a central depository for instructional materials and equipment.*

A good elementary school library provides for children and teachers a vast array of materials and equipment. Each classroom may have its own small collection of books supplemented by the unlimited horizons of the main book collection. Many other research materials are available in great variety to all teachers as well. The distribution of all circulating instructional materials is handled from a central location in the school. Maximum service to teachers and children is further provided by having all the necessary equipment—record players, tape recorders and projectors—on hand, immediately adjacent to the library itself.

Whatever the material or equipment needs might be, the teachers refer to one master card catalog to determine what is available and where it is. A search from room to room for the tape recorder, for instance, is unnecessary when the school library serves as a central depository for all circulating materials.

The elementary school library is a quiet operation. But it stands second only to the classroom in its importance to the education of young people, to which our schools are dedicated.

**I**T CAN BE SUGGESTED that the current wave of criticism of U. S. education was triggered by Sputnik and two books published last year. The books are: *Education in the USSR*, put out by the U. S. Office of Education, and MIT's *Soviet Education for Science and Technology*. For the first time we had a good look at Russian education and we became terribly concerned. It was easy to conclude that Russian success in launching a satellite related somehow to Russia's current educational program, with its emphasis on science. This simplified analysis does not consider the fact that the average age of the engineers responsible for Sputnik was in excess of 50 years, and that only two out of the 12 leading scientists on Sputnik were actually Russian!

Another suggestion is that we were chagrined to suddenly find that Russia had a Sputnik in orbit and we didn't; so we needed a scapegoat for the blame. Unfortunately for education, people drew quick conclusions that our schools had failed us. But when we launched our first satellite, Explorer I, no one praised the schools, no one pointed out that 15 of the 16 scientists involved in the development were products of our own public schools!

### **What are the criticisms of education?**

**1. The schools have failed to teach enough science and mathematics. There aren't enough engineers.**

This criticism goes back to B.S. days (before Sputnik). But as early as 1957 *Fortune* magazine published an article saying the postwar shortage of engineers had disappeared. It was pointed out that there had been poor use of engineers and many companies were guilty of hoarding or stockpiling them. The report said the "suddenness of the turn in the engineer market strongly suggests, of course, that the shortage was never as severe as popularly believed."

With regard to science and math courses, grade sequences vary, but common offerings in science include general science, earth science, aeronautics or general science for the 9th grade; biology, botany, zoology, physiology or physical science for 10th and 11th grades, and chemistry and physics for the 12th. In math, the sequence usually is: general math and algebra in 9th grade, plane geometry in 10th, solid geometry in 11th and trigonometry in the 12th. Schools which lack these major courses are the very small ones—they enroll less than 6 percent of our pupils. Furthermore, school administrators have been asking for years that state legislatures establish larger school districts to discourage maintenance of small high schools.

A valid criticism would be that there is much obsolete material in

the present science and math courses. An estimated half of what we now know in the field of physics was unknown to us 20 or even 10 years ago; it is imperative that we overhaul present courses and even whole textbooks to accommodate this change.

**2. Progressive education has taken over the public schools. This educational philosophy is the chief cause of the crisis in education.**

This criticism is invalid. Anyone making such a claim is either untruthful or unaware of the structure under which the schools operate. First of all, legislatures have mandated many areas of instruction. In the elementary schools the state boards of education often adopt textbooks and local boards or county boards of education are required to adopt locally prepared courses of study at all levels. It is within a comprehensive but rather rigid framework that teachers have leeway for developing instructional programs.

Nearly 3,000 teachers recently were asked where they felt they belonged on a scale ranging from progressive to traditional. Approximately 90 percent of them felt they were in the middle—partly both. As for superintendents, most of us have always been on the distinctly conservative side.

**3. The schools have failed to teach the three R's.**

I am disinclined to waste time on this matter. My only reason for including it is to say that the charge is

## **Here are**

**by CECIL D. HARDESTY**  
Superintendent of Schools  
San Diego, California

perpetuated largely by non-public schools. The truth of the situation must include the following facts: in a study of college entrance examination board test results, public high school graduates outscored independent school graduates in scholastic aptitude, both verbal and mathematical, in English, social studies, chemistry, physics and mathematics. Only in French did the independent schools outscore the public schools.

A Yale study concluded that individual public school graduates will usually achieve better records at college than will the private school products. This was also proven in another survey taken at Princeton.

**4. School buildings cost too much.** Since World War II, the costs of other constructions have risen much faster than school costs. During the past 20 years the cost of school buildings has increased 150 percent, while general construction expenses have increased 275 percent. The invalidity of this criticism is revealed by these statistics alone.

**5. The schools have no discipline. This increases juvenile delinquency.**

If the critics will concede that the schools are only one of the institutions in society which have changed their point of view toward punishment, I'll concede that there certainly are instances in which schools might be more firm in their handling of behavior problems. Schools should not only reflect but should lead an

# your answers to school

## CRITICISM

enlightened civilization in dealing with individuals, but even so, an individual sometimes must be treated in terms of what is good for his fellow man. I believe that there should be respect for property and authority; there should be freedom and self-discipline. But when self-discipline fails it is necessary to take positive remedial action. These should be our goals.

**6.** *Education courses duplicate each other. There is no sense in courses teaching how to teach.*

Some of the criticisms in this area are justifiable. On the other hand, I vigorously contend that there are at least four areas in which every teacher should have training before attempting to teach: the history and philosophy and social background of education; the general field of psychology; curriculum and methodology, and practice teaching. The charge that all education courses are no good is foolish.

**7.** *The schools have neglected the gifted.*

This criticism has merit. But, when these certain youngsters of great ability are so identified, this establishes the fact that the other youngsters must have a different program. It is clear that no single program can fulfill the needs of all these children to the same degree. We must commit ourselves to a variety of educational offerings if we are to implement our belief in free public education geared to the myriad needs of all young people.

### What do we do about these criticisms?

**1.** "Agonizing reappraisal" is a relevant phrase. As a country we need to reassess our role in world leadership. Education is important, *but only as a part of our total national effort*. What do we believe about freedom and democratic processes, about the needs of other peoples in other parts of the world? What role can free education play in the implementation of these beliefs? What can we do now? Are our schools aimed at giving young people the skills and understanding essential to survival in a world where the present international conflict in ideology may for decades still be unresolved?

**2.** The lengths of school day and year need reconsideration. It is evident that in many sections of the country the school year must be lengthened if the schools are to be successful in achieving the revitalized objectives set for them.

**3.** Who is responsible for what in public education? We maintain the schools belong to the people; we believe in local control through elected lay boards of education.

The public should come to insist that the teaching profession establish and then practice its full competence as a profession. There are many instances where popular (public) notions point in one direction, and where research in education (professional) points clearly in the other direction.

**4.** We need to encourage more real experimentation in education, beginning on community levels. Research should be instituted in many problem areas such as class size, grouping, drop-outs, general expectancies, acceleration, retardation.

**5.** It is essential to strengthen the guidance program. Instead of one guidance counselor for 600 students, perhaps we should have a ratio of one for every 150. Teachers in elementary schools need training in the guidance-counseling field.

**6.** We need a reorganization of the tax structure; 81 percent of our national income is either private or corporate income. In California half the operating costs and nearly all capital outlay costs are loaded on the property tax. Economists say it won't work, that our present tax structure for education will break down in less than a decade.

**7.** Finally, and most importantly, the most effective way to meet criticism is for the people closest to the schools—teachers, superintendents, board members—to quit being defensive about the schools. We need to stand back and take an objective look at education.

Now, at a time when there is so much concern over education, we should be able to mobilize the constructive forces of the country in support of a free public school system dedicated to the purposes of a free people.

Let's take a look at guidance . . .



# What's Going on in Guidance?

**A report on guidance practices  
in 52 large city school systems  
—how they operate, how they're supervised**

by M. THOMAS GOEDEKE

**T**HE ORIGINAL FUNCTION of guidance in our schools was vocational preparation. As its role expanded to include educational, social, health and personal assistance, operational and supervisory practices likewise broadened.

Today, the large city guidance programs have extended downward into the elementary schools and upward into programs for adults. Furthermore, in many programs the work of the guidance person draws upon the services of the school social worker, the educational psychologist and the attendance worker.

Relative to the horizontal and vertical growth in the concept of a basic guidance program, administrators face the problem of establishing a framework in which these non-instructional services will best operate.

---

As his doctoral project at George Washington University, Dr. Goedeke made a study of current operational and supervisory guidance practices in 52 cities in the U. S. with populations of over 200,000. This article discusses his findings. Dr. Goedeke is administrative assistant with the Baltimore Public Schools.

They must also decide whether or not there is enough similarity of function to consider establishing all such "pupil personnel" services under one large administrative unit.

The variety of services which now function under the name of guidance demand that we make a comparative analysis of major practices of large city school systems. The study reported here is based on the responses to 405 yes-no and 16 free-response items which elicited patterns of operational practices (including professional personnel; services to pupils, adults, teachers and administrators; and organizational patterns) and supervisory practices and trends. Of the 53 questionnaires sent, 52 were returned. A summary of the practices followed by the majority of the city systems is revealing.

## OPERATIONAL PRACTICES

### Professional personnel

Significantly, a majority of the cities report that in junior and senior high schools the pupils are served by full-time counselors.

These counselors are college graduates who have had previous experience as teachers and preparation in guidance, educational and occupational information, counseling techniques, tests and measurements and psychology. Both counselors and psychologists are included as personnel of the guidance department.

School counselors were found to receive salaries equivalent to those of classroom teachers.

### Services to pupils

**Orientation.** In this important area of guidance work the majority of the cities follow much the same pattern. Among the more important practices, it is reported that the school counselor: (1) visits and works part time in his feeder schools; (2) is responsible for preparing and distributing a handbook or guide for new students; (3) conducts new students on guided tours through the building and facilities; (4) presents at student meetings information concerning schools which may be attended after completion of present program; (5) invites personnel from



other schools to speak at meetings to present information about schools of future choice, and (6) arranges for pupils to visit the schools which they will next attend.

*Analysis of the Individual.* A majority reports that the school counselor keeps factual records of behavior and interprets these to teachers and parents, exchanges information about pupils with teachers and school social workers, and is responsible for interpreting to parents information on rating scales and cumulative records. Counselors also use home visits during school time to obtain family and environmental data for the cumulative record.

In the area of testing, counselors are generally responsible for administering and interpreting tests of achievement, intelligence and interest. However, 80 percent of the cities report that counselors refer to other school departments and to the state employment testing services those who need to be tested for general aptitudes and/or job aptitudes. Interpretation of test results for parents and teachers seems to be another area of counselor responsibility. The majority of the cities use batteries of tests when possible, rather than just one individual test.

*Counseling.* The cities agree that the need for counseling arises when a pupil is confronted with a problem of adjustment which he can't solve without help; that the function of school counseling is to help pupils help themselves; that school counseling is concerned primarily with preventive measures rather than remedial measures and finally, that since the pupil functions as a total organism, the counselor is concerned with the total adjustment and not just the classroom adjustment.

*Educational and occupational information.* Most of the large cities report that the school counselor

plans and conducts visits to business, industry and professional services and to other schools and institutions of higher learning. He is responsible for career and college days and conferences. Over 95 percent of the cities report that the school counselor maintains a file of accessible and up-to-date educational and occupational information.

*Placement and follow-up.* The majority of school drop-outs are placed in initial jobs by school counselors and state employment services. School counselors are responsible for interviewing pupils regarding job openings and for receiving information on job openings. Findings from follow-up studies in this area are used to revise the curriculum and guidance programs and to identify those in need of further guidance services.

*Clinical.* The counselor identifies and refers to the proper clinic those pupils having hearing, speech, vision, psychological or psychiatric difficulties. However, over 60 percent of the cities reported that the school counselor participates on clinical teams in the analyses of student mal-adjustments.

#### Services to adults

Guidance for those adults who attend public evening classes is the only service followed by the majority.

#### Services to teachers

In just a bare majority of the cities does the school counselor meet periodically with teachers to train them in the techniques and methods of guidance. More than half of the cities, however, report these teacher-service activities of the school counselor: preparing teachers' materials on educational and occupational information; using teacher conferences and written reports to exchange information about pupil adjustment, and being available as a resource person to teachers when problems come up involving records or marking.

#### Services to administrators

A summary of the data indicates that many counselor activities are of direct service to the ad-

ministrator. Nearly all of the cities report that the school counselors recommend to administrators schedule changes for students who need them. Other types of assistance provided by the counselor include: holding group meetings of parents to discuss school or curriculum choices and to present information about community problems; assisting in organizing the make-up of classes; helping to determine the school curriculum, and interpreting studies of drop-outs, graduates and failures.

In 69 percent of the cities the work of the counselor is clearly defined by the school administration so that it does not duplicate the services of other school personnel (one of the prime pitfalls in this operational area).

#### Organizational patterns

There is no precise pattern of organization. Some cities report that a director of guidance heads the services while others have a director of pupil personnel services. Organizationally, there are many differences stemming from the complex pattern of city plans for operating services for pupils. However, the majority agree on three broad principles:

1. Guidance services shall be centralized in responsibility under one staff member but decentralized in function in the various schools.

2. Guidance services shall be considered as just one of the many pupil personnel services made available to all of the pupils of our public schools.

3. The plan of organization for caring for the adjustment problems of pupils should be well integrated and coordinated among the various divisions and levels of education.

#### SUPERVISORY PRACTICES

The data indicates that there is a variety of important practices going on in the area of supervision. The following, from those followed by the majority of cities, are perhaps the most stimulating and far reaching:

1. Visits of the central office supervisor are for the primary purpose of the improvement of guidance staff members through learning.

2. The supervisor of guidance

plans activities to demonstrate new techniques and methods, and prepares and distributes periodically a supervisory bulletin for staff members.

3. The supervisory program of the central office is cooperatively planned with the staff of each school.

4. Supervision is based on a sound respect for human personality, and allows for the give and take of ideas by all concerned.

From the reports of 52 large cities across the nation we find these four significant trends: (1) counselors are needed about equally at all levels of public education; (2) requests from school administrators for the services of more counselors are increasing at the elementary, junior high and senior high grade levels; (3) the approximate percentage of school population referred to counselors for help has increased during

the last five years; and (4) the idea that "every teacher be a counselor" is gaining in practice.

Perhaps these findings will give you a point of reference for making a comparative analysis of your own situation. It is hoped, too, that they will stimulate you to continue to make changes in your program to help meet the ever increasing and ever challenging needs of your students.



## Guidance

### Bookshelf for Administrators

**G**UIDANCE! Counseling! Testing! Scholarship! Career choice! These words representing guidance activities are being echoed across the United States. In Congress and at home, legislators continue to study and to debate the needs for the improvement of our school systems. Similarly teachers, guidance staff and school administrators work toward the educational programs which will be more effective in assisting the pupil to better learning of a variety of subjects.

School administrators are responsible for encouraging counselors to organize and administer our school guidance programs. Surely, the administrator needs a general background in guidance work. In my contacts with them, many of the administrators are eager to know of current guidance materials which will help them in their leadership role with their counselors, teachers and patrons. The list here is representative of many excellent books in guidance.

*The Personnel and Guidance Journal* has been included because it is

the official publication of the American Personnel and Guidance Association. It is recognized that the busy school administrator has many journals to read; however, this one should give him a panoramic view of the guidance field.

The principal criterion for selection was the adequacy of information given in the various facets of guidance work. Administrator interest in

guidance will have reflections in a better guidance program; administrator interest *plus knowledge about guidance* will surely be the source for many ideas which will create a chain reaction of staff effort toward continually improving guidance services for boys and girls.

A minimum list of selected guidance references for the school administrator:

*Studying Students*, by Clifford Froehlich and John Darley. Chicago: Science Research Associates, Inc., 1952.

*Administration of Guidance Services*, by Raymond N. Hatch and Buford Steffire. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1958.

*Guidance Policy and Practice*, by Robert H. Mathewson. Revised Edition. New York: Harper and Brothers, 1955.

*Guidance in the Elementary Schools*, by Ruth A. Martinson and Harry Smallenburg. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1958.

*The Personnel and Guidance Journal*. American Personnel and Guidance Association, Inc., 1534 "O" Street, N.W., Washington 5, D.C. Published September through May.

*Organization and Administration of Guidance Services*, by Edward C. Roeber, Glenn E. Smith and Clifford E. Erickson. New York: McGraw-Hill Book Co., 1955.

*Counseling in the Secondary School*, by Glenn E. Smith. New York: The Macmillan Company, 1955.

State Guidance Newsletter. Write to your State Supervisor of Guidance Services, State Department of Education.

*Principles and Practices in Guidance*, by Emery Stoops and Gunnar L. Wahlquist. New York: McGraw-Hill Book Co., 1958.

*Introduction to Testing and the Use of Test Results in Public Schools*, by A. E. Traxler. New York: Harper and Brothers, 1953.

---

by HERMAN J. PETERS

Associate Professor of Education  
The Ohio State University



# MOTIVATION —key to guiding the gifted

by WAYNE W. McNALLY

ONCE WE HAVE identified the gifted children in our schools, the next step is to formulate an educational program which will administer adequately to the individual needs and interests of these talented youth.

This implies a program flexible enough to take care of individual differences. *Motivation* and *guidance* become the key-words to a successful departure from the traditional grade-promotion system.

Motivations to achieve, produce, create, learn—these are the important factors in the development of the academically talented student. We do know that if we can schedule personal conferences with bright students, stimulation usually results.

The effectiveness of allowing a pupil to do most of the talking cannot be over-emphasized. It is amazing how a person of any age who talks to a sympathetic listener gains an objective view of himself. By putting his thoughts into words he gets them out where he can look at them objectively. Sooner or later he hears himself saying what he knows he ought to do. This non-directive counseling is particularly strong motivation with a bright pupil.

Curiosity will often provide motivation, and bright pupils seem to have a manipulative tendency. A great deal of the world's progress has resulted from human curiosity and one's tendency to handle, to manipu-

late objects. Teachers can utilize the motive which underlies this type of learning to induce their pupils to acquire more knowledge and to work harder.

The problem approach stimulates both curiosity and the desire for mastery. If the solution of the problem involves manipulation (building a model to demonstrate a point, or performing an experiment to test an hypothesis) so much the better. But in any case, the problem must be one which appeals to the pupil.

Hence, the guidance teacher, who has access to all the records plus time for personal counseling, becomes the key person in the program for gifted children.

Our present idea of guidance includes a greater understanding of mental hygiene problems. There is more emphasis on the development of a wholesome and effective pupil personality, and a greater concern for the development of desirable social, moral and other character qualities.

## Meaning of guidance

These new points of emphasis have greatly expanded our interpretation of the meaning of guidance. It is now concerned with the decisions and adjustments that pupils are forced to make. The guidance counselor now deals with problems of emotional adjustments, social relationships, moral problems of youth and the development of poise and taste in social situations.

In modern education for the gifted, motivation and guidance become almost one and inseparable.

They go hand-in-hand with whatever techniques or procedures may be developed for the program.

Two other motivation techniques are enrichment and acceleration. Enrichment under guidance provides for expanding interests in a subject-matter field; acceleration under guidance allows the gifted to progress faster through any grade level.

Early and accurate determination of a pupil's potentialities has definite advantages. If, from the beginning of his education, the child is challenged to do his best, he learns good study habits and retains his interest in school. If his teachers, alert to the fact that he is bright, watch to gauge the range of his abilities, help him explore his interests and talents, and through guidance plan with his parents for his future education, then many a gifted youngster will be motivated for the adult program.

Regardless of the fact that age 14, or about the 8th-grade level, has been cited as a convenient and accurate check-point for predicting college success, I would encourage discovery of the potentially gifted students even in the primary grades. If we can capture their imagination then, and guide their interests into worthwhile channels, age 14 could become a verification-point.

There is plenty of precedent for this. Mme. Curie worked in her father's laboratory when she was in her teens, and discovered radium at 31. Marion Anderson was a concert singer at 17. Yehudi Menuhin made his debut at age 7, and by age 21 was in the first rank of violinists.

Mr. McNally is principal of Nathan Bishop Junior High School in Providence, Rhode Island. The formation of a class for gifted children in his school prompted this article.

One of our greatest problems is to instill the desire for an education in those gifted children who may be found in the low socio-economic neighborhoods. The bright pupil living in such an environment is at a disadvantage. His home and neighborhood are apt to be culturally blighted and able to offer little stimulation or encouragement to the unusual child. The bright child may discover some interest at school but since his chief concern is to maintain status with his peer group, he reverts to type.

What motivation can be offered here to detach such a pupil from his mores? It seems evident that strong stimuli are needed if we are to place this youngster on a constructive track!

Guidance seems to provide the proper answer. The child's guidance teacher can, at a convenient time, visit the home to make friends with the parents, explain that they have an exceptional child and point out specific ways they may help to enrich and guide his out-of-school time.

#### Enrichment practices

It is generally recognized that the typical school curriculum is exceedingly easy for gifted students, and that under ordinary circumstances they have no opportunity to achieve in proportion to their capacities.

Hence, under-achievement is more likely to occur in the regular classroom where the gifted child's behavior is compared to that of other students, but actually falls below what he is capable of accomplishing. He must not be allowed to develop a false sense of superiority or to become classified as a non-achiever.

Our system of mass education is more often geared to reduce the best minds to the level of mediocrity. One solution is to establish special classes so that the gifted may be in a position to do independent study, to compete with their peers. Other ways of meeting this problem include the introduction of special projects, acceleration and, on higher levels, workshops and seminars.

Enrichment practices are primarily teaching procedures, and are

usually carried on in a regular classroom situation where talented or gifted pupils are in a minority. Simple enrichment attempts to make school work more interesting and valuable, without taking the student out of his age group.

Enrichment as motivation in its most productive form consists not in adding more of the same kind of content and activity to the program but in providing a greater variety of experience and at more advanced levels. Such a program is characterized by: emphasis on the creative and experimental, on skills of investigation and learning; independent work, stressing initiative and originality; high standards of accomplishment; cooperative planning; activities providing leadership training; individual attention from the teacher, and firsthand experiences together with vicarious experiences through extensive reading.

Then there is the more special kind of enrichment program which places abler students in special groups, for all or part of each school day. Such groups provide depth and breadth in experience, and permit students to stimulate one another. Guidance is most necessary here, as students operate in special classes or in special schools, such as at Hunter College. It may bring gifted children from several schools together into an operating unit, as in the Bronx High School of Science. In Cleveland these are known as major work groups, classified by achievement.

Acceleration is essentially an administrative device. It offers opportunity under guidance for the gifted to move at a pace appropriate to their ability and maturity, and to

complete an educational program in less than the ordinary time. It does *not* mean skipping grades, however, which often means little more than pushing the students rapidly through barren curriculums. The most common and efficient form of acceleration is the special progress class.

Baltimore has such special progress classes, where pupils do the work of three years of junior high school in two. The New York City school system offers these classes in 62 junior high schools, for about 3,000 pupils. These students complete the 3-year program in two years also, thus saving a year in their school career.

#### Suggested plan

In communities which are large enough to provide special classes for the gifted the needs of these pupils are not likely to be overlooked by an alert administrative and supervisory staff. This is not true, however, in many medium sized and small school systems.

In these smaller systems there may be so few gifted children that they are entirely overlooked. Some plan, then, would seem appropriate for locating these children and for meeting their particular needs. A suggested plan might run something like this: creation of the position of guidance counselor who, with a faculty committee, would locate the talented pupils; this counselor, with the administration, would plan enrichment activities to meet these children's needs within the classroom; the counselor, plus the committee, would be responsible for implementing each special program for each child and for planning adequate follow-up activities.

In conclusion, I would quote Dr. Passow of Teachers College: "To find and mature talented youth is essential to the welfare of our country as well as to the self-fulfillment of the individual. Where talent is not developed or is misused, both society and the individual suffer. We cannot leave the talented child to his own devices for the evidence is mounting to show that while some individual do emerge, despite lack of recognition or guidance, many others do not."



# Where's your waste-line?

by Mrs. EDWARD MOOMAW



*School buildings have nothing in common with women's fashions? Not so, finds Mrs. Edward Moomaw, member of the Roanoke, Virginia School Board, who borrowed a chemise to demonstrate some notions of school planning problems. Her remarks were made at a meeting of the school board, administrators and architects, called to formulate a program for Roanoke's new schools.*

I TAKE MY JOB on the school board pretty seriously because it is a big business, and each one of us has to carry his load. But further than that, I feel I represent all the women in Roanoke who are interested in good education, and that's a whale of a job!

Now I was not listed to speak on the program. When I realized this and thought of the thousands of

women-hours that went into our recent bond campaign and of the hundreds of women who worked to make this meeting possible, I demanded equal time! I think you should have a woman's point of view about these new schools.

Those of you who know me know that this chemise is not my type of dress. But gentlemen, this is the New Look. You, of course, are wondering what this has to do with schools. Simply this: men design women's clothes. They are responsible for this new style. And you men are going to design our new schools.

Let's draw comparisons. This chemise is too short in my way of thinking. Of course, it could be an ideal style, depending on what you want in a dress. Now we have some schools with the new look, too. They were built for an ideal situation, classrooms for 25 students, but those classrooms are now housing 35 to 39 students. From a woman's point of view, a dress without a good hem to let out is like a classroom built too small.

Let's look again. This new look is too tight. I urge you not to be too tight or hide-bound in your planning. Have plenty of versatility and breadth for new developments in education.



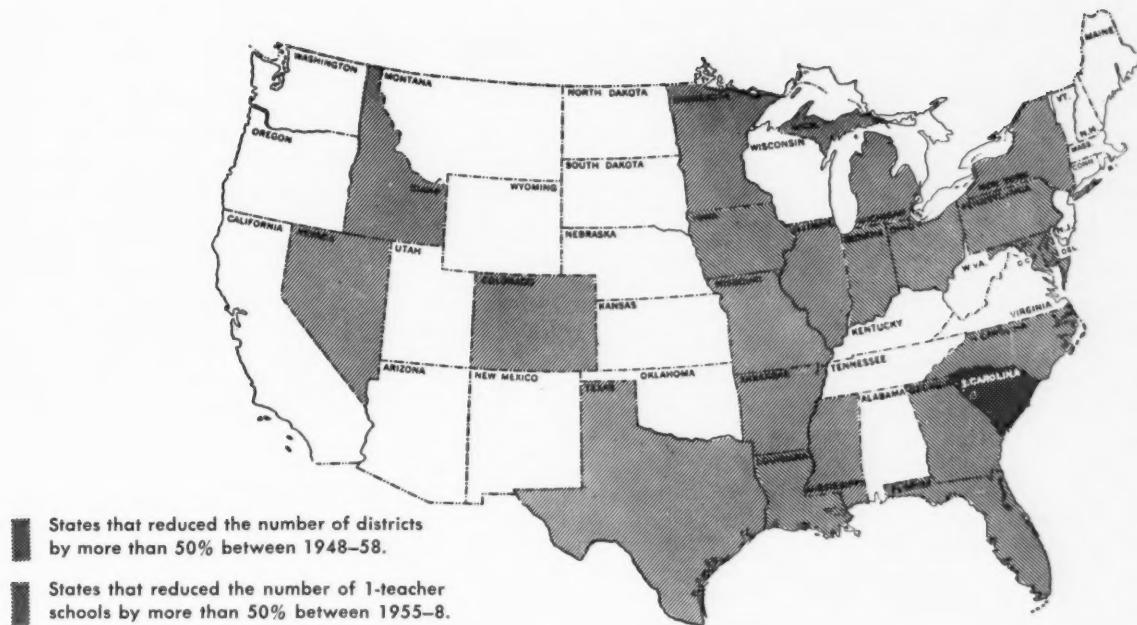
The hue and cry right now is for science and technical training. Let me urge you not to go overboard in this area and end up with a lot of waste space, like the top back of this dress, by neglecting speech, art, music—the type of courses which will train children to communicate with their fellow men and to see all the beauty around them.

I charge you to do this: take women off their pedestals and ask



their advice. You put them to work on the bond campaign; now put them to work on their ideas about schools. They may surprise you. After all, the majority of our teachers are women and they are going to live and work in these buildings. Mothers are usually the liaison between school and home and they too may have some good suggestions.

As a school board member and a woman, I urge you not to design schools like the chemise dress. The schools should be well proportioned, of sound construction, versatile and expandable. This dress, which I borrowed, can be discarded when it goes out of style or gets too tight. But I want you to keep in mind that our children and our children's children will spend a great deal of time and have their lives greatly influenced in the buildings you are here to plan.



## Status Report on District Reorganization

by HOWARD A. DAWSON and ROBERT M. ISENBERG

**A** SURVEY OF THE STATUS of school district organization in the United States now underway in the NEA Division of Rural Service indicates that the total number of school districts as of June, 1958 was about 48,000—a reduction of 19 percent since 1955. This current number of districts is a reduction from nearly 101,000 in 1948, to about 67,000 in 1953, to slightly more than 59,000 in 1955.

The number of school districts actually operating a school in 1958 was only 41,400 as compared to 50,600 in 1955.

Substantial as the reduction in the number of districts has been, there is no doubt that further reductions are

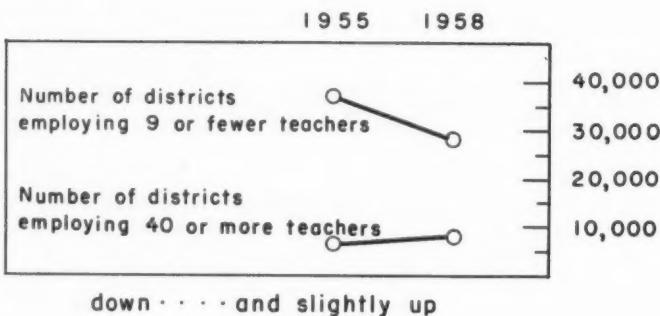
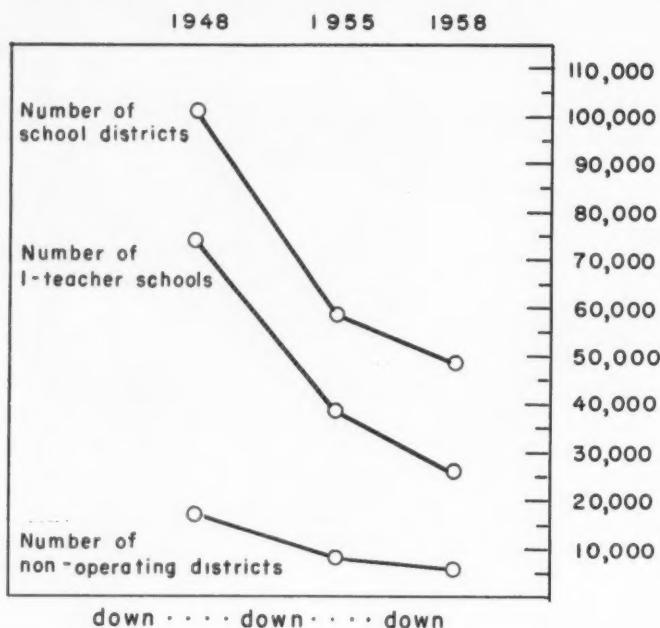
in order. Of the 48,000 districts in 1958, about 6,600, or 13.5 percent, did not operate a school. This number, however, is a reduction from about 8,700 such districts in 1955. These districts continued as legal entities even though they were either so small that they had no children to go to school or they contracted with a neighboring district for the schooling of their children.

In some states the non-operating district is virtually unknown. In others, notably Illinois, Michigan, Texas, Wisconsin and Wyoming the non-operating districts have been practically eliminated. The concentrations of such districts are in Colorado, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, New York, North Dakota and South Dakota; these states have about 90 percent of the total in the United States. In fact 70 percent of these districts are in Iowa, Minnesota, Missouri, Nebraska and South Dakota.

Certain states have made substantial reductions. Between 1948 and 1958 the number of districts in Mississippi was reduced from 4,194 to 151, in South Carolina from 1,737 to 107, and in Idaho from 1,011 to 155. Some of the states which once had an extremely large number of districts have also made substantial reductions. During this same 10-year period, for example, the number of districts in Illinois was cut from 11,061 to 1,770, in Missouri from 8,422 to 2,629, in Minnesota from 7,606 to 3,084, in Wisconsin from 6,385 to 3,500, and in Michigan from 5,434 to 2,512. Iowa has had nearly a 40 percent drop since 1955.

Adequacy or inadequacy of a school or school district is often viewed in terms of its size. While there may be no inherent value in either bigness or smallness without taking many other factors into account, a majority of the districts continue to be very small. Approximate

Dr. Dawson is director of the NEA's Division of Rural Education. Robert Isenberg is assistant director. The information in this preliminary report, write the authors, should be useful to a number of states in their 1959 legislative sessions.



mately 66 percent of the operating districts in 1958 employed fewer than ten teachers. Only about 12 percent employed as many as 40 teachers. Some of these smaller districts are in sparsely settled areas. In such instances a six- or eight-teacher district is by no means small in terms of its geography. But many small districts are only a few miles from another having about the same characteristics.

The survey underway also identifies the number of one-teacher schools presently operating. In 1958 there were approximately 26,000. To those who believe that the one-teacher school disappeared with the coming of the automobile this may seem like a great number. Actually, however, it is about 12,500 fewer

than were operating in 1955 and far under the nearly 75,000 operating ten years ago.

The survey has investigated the number and type of school district reorganizations in the respective states. Reorganizations are classified into two types: *comprehensive*, which includes all reorganizations intended to form a new school district that is to offer a program of elementary and secondary education under a single administration; and *partial*, which includes the consolidation of small districts not intended to offer a complete program of elementary and high school education, or which includes only the dissolution of a school district or school districts and annexation to another school district. The comprehensive

type takes place under state reorganization statutes intended to provide for the formation of new school districts.

Reports from 18 states show that a total of 3,929 reorganizations of all types were proposed during the 3-year period 1955 to 1958. Of that number 967 were comprehensive and 2,962 were partial. Of all the proposals 81 percent were adopted by the voters or designated officials; of the proposals for comprehensive reorganization 86.4 percent were adopted and for partial 80 percent were adopted. In addition to the 18 states for which full reports were filed there were five states that reported 569 reorganization projects approved, of which 335 were of the comprehensive type and 234 of the partial type. (These states did not report the total number of proposals and rejections.)

Such data are indicative of the extensiveness of the reorganization movement and of the fact that at least four out of five proposed reorganization projects have been successful as measured by approval.

The county unit of school administration continues to grow in importance. There are now 13 states that have all counties as basic school districts—926 of them—in 641 of which there are no independent or city districts. In 19 other states there are 265 county unit districts, 124 of which do not contain any other type of district. Thus in 1958 there were 1,191 county units, representing an increase of 57 such units during the last three years and 232 during the last decade. It is also of interest to note that 1,087, or 91 percent, operate both elementary and high schools, only 90 operate for separate high school purposes, and only 12 solely for elementary schools.

Although certain of the current data on school districts throughout the country are as yet tentative, it is apparent that great efforts are being exerted to establish adequate districts. There may well be a long way yet to go. But states are moving forward. Districts are being reorganized. And always the hope is that our nation's children will be the major beneficiaries.

## Schools and the Social Change



EDUCATIONAL ADMINISTRATION IN A CHANGING COMMUNITY. 37th Yearbook of the AASA. Washington, D. C. 1959. 224 pp. \$5.

Our reviewer is Zeno B. Katterle, dean of the School of Education, Washington State College.

**T**HE 1959 YEARBOOK of the AASA, *Educational Administration in a Changing Community*, deals with the gamut of important aspects of educational administration.

This book is a re-orientation of administrative leadership principles in the contemporary scene and provides a springboard for the "fabulous future." It is written in simple and direct language, seldom reverting to the educational jargon one finds in most professional books.

It seems to me that the authors have attempted to clear up some of the confusion that has developed since Sputnik I began circling the earth. The book poses a fundamental question: "Can basic principles of a democratic society remain operative in this new world community?" There is never any doubt that "Sound principles never die, but we cannot perpetuate democratic principles without daily and uncompromising effort."

Trends and issues in public education are clearly stated. This section is so vital and important that it should be circulated among all school board members and teachers in the country. Issues resolve into "crisis" and trends toward the big change in the last 50 years.

The section on Today's Community and Policy Formation in the Community contains excellent discussions. One should not be discouraged by the technical approach to these problems for there is a transition to simple and explicit language that conveys some stimulating ideas which all school administrators should read and reread.

Emphasis is given to the behavior of people and their relationships as to "position," "role" and "institutions," decision-making in a social setting and the situational character of leadership. This is a fine example of the contribution sociology can make in areas important to school administration.

Several chapters are reiterations of fundamental procedures in school administration. These discussions have the weakness of any yearbook which is the result of the work of several authors, since a number of procedures are specified as the most important aspect of educational administration. It is clear, however, that education is designated as the "basic ingredient in our technological advancement," and, "is fighting the battle of opposing ideologies."

Formal and informal controls impinging on the schools are enumer-

ated and analyzed. A set of common elements to guide planning are given as well as the basic studies necessary for good planning. A concise guide for gathering information about the community is included which should be invaluable as a ready reference.

One of the important aspects of the superintendent's work—communication—is related to Lasswell's formula, with a set of basic principles necessary for good communication.

New directions in the preparation of educational administrators are stated. Basic assumptions are made and the features of a plan are presented. This is the kind of frontier thinking that should be expressed in a yearbook.

Implications for a free society, contained in the final chapter, seemed to be part summary and part direction of the future. This was the place for big ideas and commitments for educational administration. For example: "If there is real danger of a manipulated society as Orwell and Packard have warned in two vastly different books, the antidote is thorough education of all the people so that the purposes of society are clear, and skills of participation in working out common problems become the property of every man in every community"; and schools should become the "intellectual homes for adult and near-adult student body."

Here is an attempt in simple, straightforward language to get those basic issues and concepts essential to educational administration between the covers of one book. No administrator should be without a copy on his desk for ready reference. School board members, advisory committee members and teachers should be encouraged to read this publication.

### Detroit Citizens' Committee Urges Emphasis on 3R's

DETROIT—A Citizens' Advisory Committee, composed of 270 Detroiters, has recommended more emphasis on the teaching of reading, writing and mathematics in their city's schools.

The group report was issued after an 18-month study of the schools revealed a need for: more emphasis on sciences and foreign languages; a 6-hour-day school session; more homework; study of the nation's economy; and a course in contemporary affairs.

The committee also urged that measures be taken to insure early recognition of gifted students so that they might be given advanced work. Also imperative, the report stated, is modernization of current schools in the city, 52 of which they found "almost totally unacceptable."

### Vinyl Mural Designed, Created by School Children



LIVERMORE, Calif.—The cooperative efforts of 820 children went into the designing and fabricating of a 24-by-4-foot mural at a school here.



### Conant Reports on Secondary Schools In Series of Personal Appearances

FOLLOWING PERSONAL VISITS to schools, and extensive research on the American secondary school system, James B. Conant, president emeritus of Harvard University and former ambassador to the Federal Republic of Germany, has begun a series of appearances in order to put his findings before the public and its educators.

Dr. Conant began his study of the American high school in 1957 under the auspices of the Carnegie Corporation. In visits to approximately 50 comprehensive public high schools in 20 states, he observed good educational practices and analyzed their effects on the total school program.

In his efforts, Dr. Conant has continually stressed the need for pro-

viding education for *all* the youth of the community. "No one program of studies can possibly be adequate for all," he told a convention of the National School Boards Association.

On the whole, Dr. Conant feels that many high schools in different sections of the country are doing a satisfactory job of educating future voters, with a reservation as regards the study of foreign languages. He also feels that the organization and procedures used by these schools can be readily adopted by other schools.

Of special interest are Dr. Conant's statements regarding pupils in metropolitan area high schools, and the study of foreign languages.

One of the guiding purposes of the study was an investigation of charges that American high school students were not being made to work hard enough, and that the gifted student was not being developed to his full potential.

In a speech before New York State school board members, however, Dr. Conant said that many pupils in New York and other metropolitan area high schools might be overstrained rather than underworked.

He blamed the problem on "special social pressures" from ambitious parents. "These parents may demand that the school 'get' the boy or girl into a particular college," he said, "whether or not the youth in question has ability."

He blames the inadequacy of our foreign language teaching on the colleges. "In general, a two-year (language study) admission requirement to college has had disastrous effects," he told language teachers attending the 73rd annual meeting of the Modern Language Association.

"A two-year requirement is worse than none," he said, "because it wastes the student's time. If there is to be a requirement, it should mean mastery, or the equivalent of four years of study."



*The school of tomorrow can be a reality today, Walter D. Cocking tells conferees.*

## The School of Tomorrow—Community Learning Center

LUBBOCK, TEXAS—The school of tomorrow will be a learning center for the entire community, built to foster the mental, physical, cultural, aesthetic and spiritual development of each person on an individualized basis.

This prophecy was made by Walter D. Cocking, editor of **THE SCHOOL EXECUTIVE**, in an address before 120 school administrators, architects, school board members and construction engineers, participating in the third annual West Texas School Facilities Conference here.

The school will have walls of air and solar energy for heating, Dr. Cocking said. Instead of rigidly defined classrooms or cells, its centers of learning will be planned around local and regional plants and wildlife.

Dr. Cocking, consultant and chief resource person to the conference, ended his address by telling conferees that this school can be built today. It is, he said, already being built in a few school districts in the United States.

Proof that this is being done was provided by a team of six men from Andrews, Texas who gave the conferees a detailed and visualized account of the survey and preliminary planning of the Andrews high school building, scheduled for completion

some time within the next two years.

This open structure, built around learning-teaching centers, incorporates the educational features desired by the total community, they said. Included in its structure will be a dome-covered nature center to serve

<b>SPOTLIGHT ON . . .</b>	
<b>Curriculum . . . . .</b>	<b>80</b>
<b>Promising Practices . . . . .</b>	<b>88</b>
<b>Higher Education . . . . .</b>	<b>98</b>
<b>Quote . . . unquote . . . . .</b>	<b>104</b>
<b>Studies, Surveys . . . . .</b>	<b>110</b>
<b>People in the News . . . . .</b>	<b>112</b>

as group assembly and teaching-learning area.

Conferees also participated in four discussion groups, headed by well-known regional school leaders. Each of the conferees represented a school-community actually involved in planning new school facilities.

### **Library Handbook Outlines National Reading Program**

NEW YORK—A blueprint for community action has been issued to 5,000 librarians, as well as to many local and state committees, as part of the second National Library Week celebration.

The national reading program outlined in this handbook is based on many successful case histories, including special programs initiated in schools, colleges, churches and community organizations.



*The two chief contributors to the forward look of the 1958 School Facilities Conference were John Lyon Reid, San Francisco architect (left), and Dr. Cocking. Mr. Reid was one of the team of six men involved in "The Andrews Story." On the right, conferees ponder problems posed by the extended school year, new ideas in classroom planning, the development of education specifications and methods of determining community needs.*

# America Not Keeping Pace With Need for Scientists

AMERICA IS FALLING SHORT of meeting its science manpower requirements, according to recent reports from varying sources. Bold and large-scale steps will have to be taken if we wish to keep pace with our own technology.

Louis Koenig, chemical research consultant, speaking at the American Chemical Society's 14th Southwest regional meeting, declared that the U. S. supply of scientists and engineers must mushroom to nearly 3.5 million persons by 1980 if this country is to maintain its present rate of development.

We are not meeting this need, however, Dr. Koenig said. He cited a recent survey made by the National Science Foundation which indicates that we will fall short of the predicted manpower need by some 15,000 scientists a year, from now until 1965.

The supply of engineers, in fact, will probably decrease rather than increase, according to James R. Killian, Jr., special assistant to the president for science and technology. His views are based on a study being made by the Panel on Science and Engineering Education of the President's Science Advisory Committee.

This fall, he reported, there was "a significant drop" in the number of students who entered engineering schools. There was evidence that some of this loss resulted from a shift of students into the sciences, but nevertheless he termed the trend a serious problem.

The number of students obtaining doctorates and going into teaching will probably be less than one third those needed in the immediate future for college faculties, he said.

Dr. Killian believes the answer lies in "bold and large-scale efforts" to raise American intellectual standards to a level adequate to meet the challenge of the times.

Another solution to this serious problem was suggested recently by Arthur S. Flemming, secretary of the

Department of Health, Education and Welfare at a session of the American Association for the Advancement of Science devoted entirely to obstacles confronting women scientists.

Dr. Flemming denounced the "double standard" under which, he said, women were not welcomed in the graduate schools in the science fields. He also said that when they were trained they were not employed at their full potential.

He urged that educators and employers be constantly informed that this "double standard" was without justification and was a drawback on the national security.

## Parents Say Piano Lessons Should be Given in School

CHICAGO—A recent survey reveals that many parents want piano instruction given in the schools, in addition to band and orchestra instruction.

More than half of those questioned by the American Music Conference here felt that piano lessons should be a regular part of the school program.

One out of four of the families questioned had one or more members learning to play the piano. Twice as many of these amateur musicians were getting their piano lessons along with other studies in school as were studying in music studios and conservatories.

### Chosen for Exhibition



The Hillcrest Elementary School (top), Morris Township, N. J. is considered an excellent example of a cluster type elementary school. The Junior-Senior High School (bottom), North Babylon, N. Y. is outstanding because of its economic design. Both these schools were selected for exhibition at the national convention of the American Association of School Administrators.

**LOOK for serviceability in towel cabinets**



## NEVER "OUT-OF-ORDER"

WESTROLL CABINETS offer a trouble-free way to reduce towel costs up to 40%. They're strong, jam-proof, tamper-proof. A patented worm and gear drive mechanism never requires adjustment or repair. Nothing gets out of working order. As proven by many years' use. Across the U. S. and Canada.

WESTROLL CABINETS are loaned free of charge to purchasers of soft, absorbent WESTROLL TOWELS. They control, but never limit the use of towels. Without realizing it, users take far less than from other types of cabinets.

WESTROLL CABINETS simplify washroom maintenance as

they lower washroom costs. They reduce litter. Promote neatness. Load easily. Need refilling less frequently.

We'd be glad to demonstrate the unmatched qualities and economies of WESTROLL CABINETS and TOWELS in your office. Just telephone your nearby West office. Or mail the coupon to our Long Island City headquarters, Dept. 6.

Please send free folder on reducing towel costs.  
 Have a Representative phone for an appointment.

Name \_\_\_\_\_

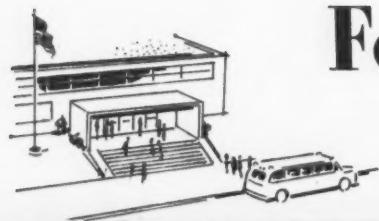
Position \_\_\_\_\_

PROGRAMS AND SPECIALTIES  
FOR PROTECTIVE SANITATION  
AND PREVENTIVE MAINTENANCE



WEST DISINFECTING DIVISION

WEST CHEMICAL PRODUCTS INC.  
42-16 West Street, Long Island City 1, New York  
Branches in principal cities  
CANADA: 5621-23 Casgrain Avenue, Montreal



# For the Best...in Wash Bradley Group

54-in. CIRCULAR WASHFOUNTAINS



Above, 54-in. Circular Washfountain. Standard bowl rim height from floor is 28 in.; junior height, 24-in. at left, 36-in. stainless steel model.

54-in. SEMI-CIRCULAR WASHFOUNTAINS



Semi-circular models are made in 54 and 36-in. diameters and two bowl heights.



## MAXIMUM WASHING FACILITIES—IN LESS SPACE—WITH FEWER PIPING CONNECTIONS

**One Bradley does work of 5 to 10 lavatories**

Groups are served from the central sprayhead and in the most sanitary manner; with foot-control, there are no faucets to touch and since the large bowl is self-flushing, there is never any unsightly and unsanitary left-over water.

Each 20 inches of bowl rim space is equivalent to one lavatory.

## MAXIMUM PROTECTION AGAINST SPREAD OF INFECTIOUS DISEASES

With nothing to touch, except the clean spray of water, there is no possibility of passing along infectious diseases—the ultimate in sanitation.

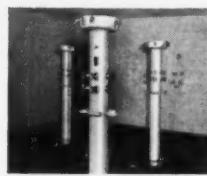
# and Shower Facilities

## Washfountains and Showers

### MULTI-PERSON SHOWERS



Bradley Showers have a Central Column which may be used alone or with separating partitions. Three heights are available: 6', 5'6" and 5'. Bradley Columns are used, singly and in groups. Each serves five persons—or three if placed nearer a wall.



### EASY TO INSTALL

Installation time and expense are reduced because Bradley Showers are shipped almost completely assembled. One set of piping connections serves each Column and each bather has complete control of water temperature and volume.



For greater privacy, panels separate the stalls, and curtains complete the enclosure.



Foot-control, no faucets to touch, self-flushing bowl are the exclusive features of the two-person Bradley Duo-Washfountain. Maximum in sanitation—ideal for smaller washrooms, classrooms, teachers' rest rooms, laboratories, in or near cafeterias.



### FOR STUDENTS OF EVERY AGE—FOR SCHOOLS AND COLLEGES OF EVERY SIZE

Bradley Washfountains and Showers have been installed in schools and educational institutions of every size. To list the installations made during the past 10 years alone would require more space than is available here.

High schools, Intermediary Schools, Academies, Elementary and Kindergarten Schools are included as well as prominent State Teachers' Colleges and Universities.

School custodians agree that cleanliness is encouraged, maintenance time and expense reduced. Because Bradley Washfountains and Showers serve groups, water consumption is reduced.

Leading school authorities, architects, consultants, engineers, builders, and plumbing contracting firms have recognized the features of convenience, economy, and ultra-sanitary facilities provided by Bradleys.

### INSTALLATIONS IN NEW BUILDINGS

When original plans are being considered, the suggestions in Bradley Catalog 5601 will be

helpful in providing the maximum facilities in the least space and at lowest installation cost.

### TO IMPROVE PRESENT BUILDING FACILITIES

Here, too, you will find the specification data an aid—and experienced Bradley men are

available to assist in the selection of appropriate models.

### BRADLEY WASHFOUNTAIN CO.

2233 W. Michigan St. • Milwaukee 1, Wisconsin

Write for  
free Catalog 5601



**BRADLEY**  
*washfountains*  
*and multi-person showers*

### DUO-WASHFOUNTAINS

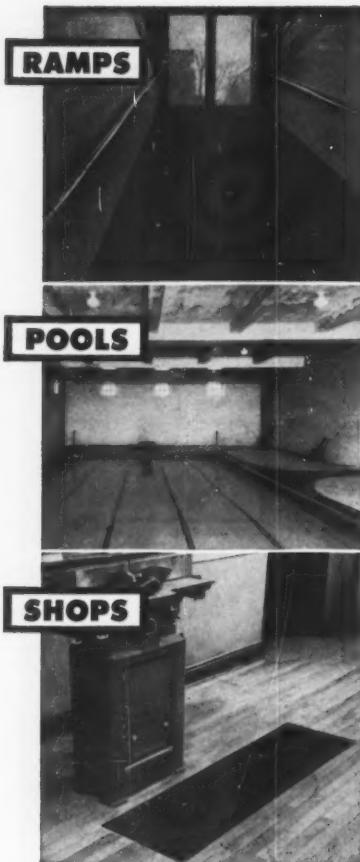


### COUNTER TOP WASHFOUNTAINS

Have foot-control and sprayhead which replace faucets. Stainless steel or vitreous enameled. Can be provided with filler cup faucet and/or drinking bubbler.



# STOP FALLS



...every place with

## FERROX

Trowel on. Dries quickly. Provides safe non-slip footing on all surfaces, wet or dry. Resists oil, chemicals, water and weather conditions. Adheres firmly to wood, concrete and metal. One gallon covers approximately 35 to 40 square feet.

AMERICAN ABRASIVE METALS COMPANY  
464 Coit Street, Irvington 11, New Jersey

Please send more information on Ferrox.

Name .....  
School .....  
Address .....  
City ..... State .....

## SPOTLIGHT

### Math Improvement Needed Below High School Level

NEW YORK—High school instruction in mathematics is better than is generally believed, but elementary school arithmetic courses need attention, according to speakers at a recent meeting of the National Council of Teachers of Mathematics.

Kenneth E. Brown, mathematics specialist for the U. S. Office of Education, said that more than half of all high school students are taking mathematics and that two-thirds of math teachers are well prepared.

A college educator and mathematician, however, called our present elementary arithmetic programs "antiquated" and "complete strangers to mathematics." Henry Van Engen, professor of mathematics and education at the University of Wisconsin, said our greatest need is to bring mathematical ideas into the elementary program.

### New Materials Developed For Grade-School Math

FOR SOME TIME, there has been a concerted effort to improve and advance the materials used in teaching mathematics at the high school and college levels. Now, the emphasis of educators has shifted to the elementary schools, where pupils must be prepared for the stepped-up programs they will meet later.

The University of Illinois, for instance, which has been experimenting with new high school mathematics materials for the past eight years, has launched a new arithmetic project aimed at determining what mathematics can be learned by grade school children. The new materials will be available for use by any reasonably able teacher following summer study.

And Scott, Foresman and Company, elementary textbook publishers, has published the sixth in a new textbook series designed to teach

see the new

*Starline*

IN BOOTHES 1209 AND 1308 AT THE  
**AASA CONVENTION**

- \* **New Style**
- \* **New Beauty**
- \* **New Economy**
- \* **New Construction**

**new low cost modern School Furniture**

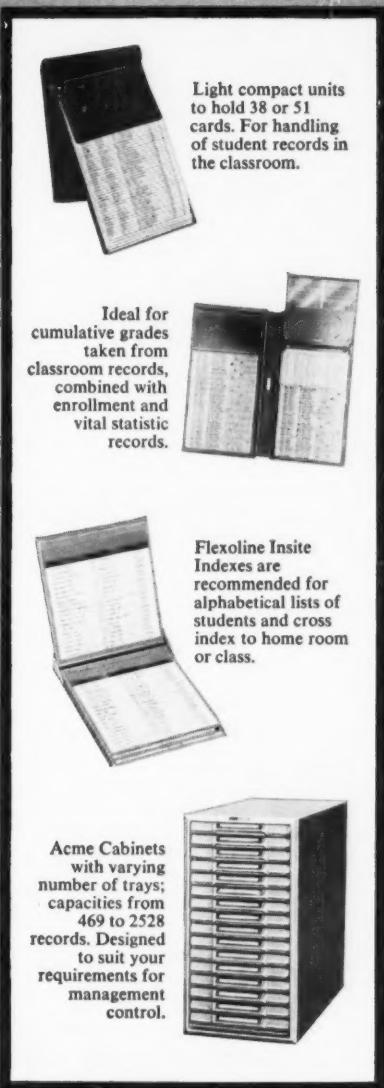
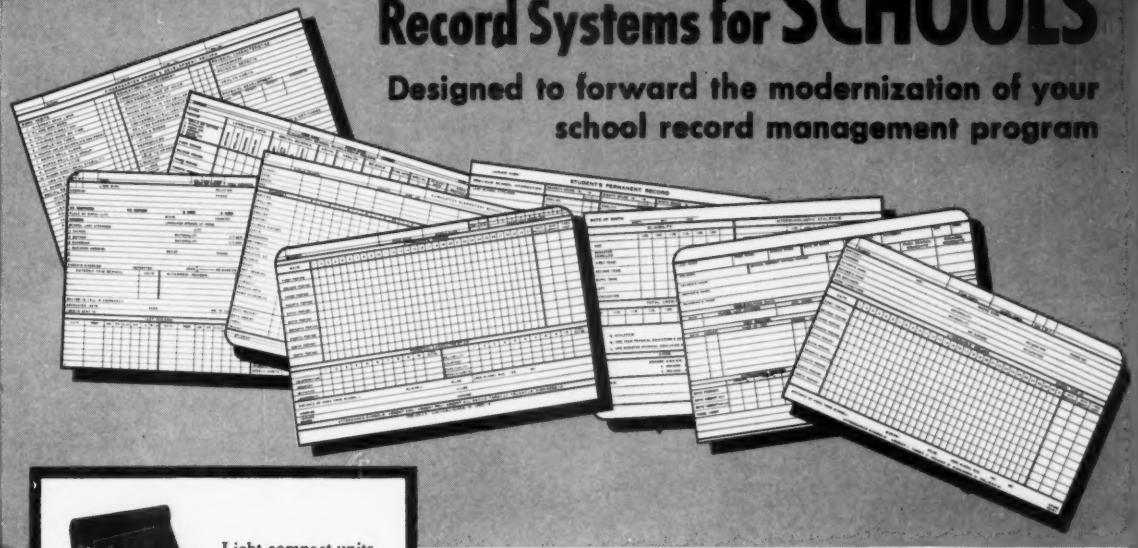


**EUREKA WILLIAMS CORPORATION**  
FACTORIES AT  
Bloomington, Illinois — Canastota, N. Y.

ACME VISIBLE

# Record Systems for SCHOOLS

Designed to forward the modernization of your school record management program

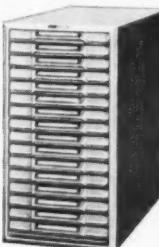


Light compact units to hold 38 or 51 cards. For handling of student records in the classroom.

Ideal for cumulative grades taken from classroom records, combined with enrollment and vital statistic records.



Flexoline Insite Indexes are recommended for alphabetical lists of students and cross index to home room or class.



Acme Cabinets with varying capacities from 469 to 2528 records. Designed to suit your requirements for management control.

## Forms available for these records:

### ELEMENTARY SCHOOLS

- Kindergarten Development
- Teacher's Classroom Scholarship and Attendance
- Monthly and Cumulative Attendance Summary and Report
- Cumulative Student Grade and Enrollment

### JUNIOR HIGH SCHOOLS

- Student's Permanent History Record

### SENIOR HIGH SCHOOLS

- Student's Permanent History Record
- Attendance • Program Record
- Physical Education Department Record

### TEACHERS

- Teacher's Accumulative Service Record
- Teacher's Accumulated Leave Record
- Teacher's Payroll

### MISCELLANEOUS

- Family Census • Book Rental
- Supply and Cafeteria Inventory Control
- Purchase
- Property
- Visual Aids Film Booking Schedule

### FUNDS EXPENDITURE BUDGET CONTROL

- Executive Appropriation and Allotment Ledger

Acme Visible record systems provide the utmost in simplicity, time-saving and control. Your experienced Acme representative will gladly recommend the type of equipment best suited to your needs. Call him today, or mail coupon for illustrated literature.

**ACME VISIBLE RECORDS, INC.**

**CROZET, VIRGINIA**

Offices and Representatives in Principal Cities

----- MAIL COUPON TODAY! -----

Send us literature showing school record forms.

N-259

We are interested in Acme Visible equipment for \_\_\_\_\_ records.

kind of record

School \_\_\_\_\_

Attention \_\_\_\_\_

City \_\_\_\_\_

Zone \_\_\_\_\_ State \_\_\_\_\_

# THE MULTI-CLEAN METHOD

## *for finishing and maintaining your*

# GYMNASIUM FLOOR

The MULTI-CLEAN METHOD of finishing and maintaining gymnasium floors was developed and perfected after many years of researching and testing by practical floor scientists.

With the MULTI-CLEAN METHOD, your gymnasium floor will look better, last longer, and take fewer hours to maintain. It will also require fewer gallons of material.

The simple, effective METHOD outlined here is more than a material . . . more than a machine.

It is a complete, scientific floor care program which combines the *right material*, the *right equipment*, and the *right technique*.

### *Initial treatment of* **NEW GYMNASIUM FLOORS**

(The following Method will also apply in the case of old gym floors which have been sanded or stripped.)

**1. Preparation:** After floor has been sanded, sweep or vacuum floor free of dust. After sweeping, run an applicator or cloth dampened with mineral spirits over the floor to pick up extremely fine dust.

**2. Application:** Apply one coat of MULTI-CLEAN Penetrating Sealer or MULTI-CLEAN Hi-Polamur Floor Seal. The Sealer should be poured into a container (not directly onto the floor) and spread with an applicator or short string mop. In spreading, the Sealer should first be applied *across the grain*, then leveled with the grain. Apply liberally, using enough Sealer to take care of any "thirsty" spots, yet not leaving puddles. Two men, one applying the Sealer across the grain, the other leveling with the grain, form an efficient team.

**3. Allow Sealer to dry thoroughly . . .** then steel wool with No. 2 or 3 Steel Wool Floor Disc. Drying time will depend upon the MULTI-CLEAN Sealer used and atmospheric conditions existing at the time.

**4. Sweep** again, using a vacuum cleaner or broom to pick up fine dust and steel wool particles and wipe with a towel or applicator treated with mineral spirits.

**5. Game lines and courts** should now be laid out. A chalk line and masking tape are usually used for this purpose. Markings should then be painted or striped in. A good grade of marking enamel should be used. While the basketball court is most generally marked in black, volleyball, badminton, shuffleboard and other game markings may be painted in other colors. (If a marking tape is used, it should not be put down until floor is completely finished.)

**6. Finish:** Pour MULTI-CLEAN Gym Finish or MULTI-CLEAN Poli-Mirro Floor Finish into shallow pan and spread with lambswool applicator or short string mop. (To reduce chance of dripping excess finish on floor, it's best to fill the pan no more than half full.)

In spreading and leveling the finish, the procedure mentioned in Step 2 above should be repeated. One gallon of MULTI-CLEAN Gym Finish will cover approximately 600 square feet; MULTI-CLEAN Poli-Mirro covers approximately 800 square feet.

**7. Second coat**—If a second coat of Gym Finish or Poli-Mirro is needed, repeat Steps 3, 4 and 6 above.

**8. After the final coat is thoroughly dry** and before it is used, sweep floor with a dust mop treated with MULTI-CLEAN Floor Dressing. This will increase the surface's anti-slip qualities and also make it more resistant to rubber marking.



*With the scientific Multi-Clean Method, it's easy to keep your gym floor light-colored and attractive. A finish like this adds years to the life of the floor and is easy to maintain.*

### **MULTI-CLEAN METHOD** *for maintaining gym floors*

**Sweep daily** with a dust mop treated with MULTI-CLEAN Floor Dressing. This *cleans, polishes and preserves* the finish. Since the treated mop picks up and holds free dust, there is no need for sweeping compound. The thin film which is deposited is slip-resistant as well as resistant to black marking.

Semi-annual cleaning can be accomplished by either: (1) Wet-Scrubbing Method, or (2) MULTI-CLEAN Floor Preserver "Wet-Buffing" Method (described on other side).

#### **FREE GYM FLOOR CLINIC**

*Your MULTI-CLEAN DISTRIBUTOR is the local floor care expert in your area. He will be glad to put on a free GYM FLOOR CLINIC for your maintenance personnel. He can also include instructional films and actual demonstration of the scientific MULTI-CLEAN METHOD for terrazzo, asphalt, and other tile floors.*

*Call him today to arrange the date. You'll be under no obligation.*

**MULTI-CLEAN**  
*Method*

## the RIGHT TECHNIQUE



Game lines are painted in after floor is sealed, but before the Multi-Clean Finish is applied.

### Wet Scrubbing Method

1. **Scrub** thoroughly with 16 to 1 solution of a MULTI-CLEAN Cleaner, using a floor or scrubbing machine. (Do not use a soap-base cleaner under any circumstance.)
2. **Pick up scrubbing solution** with a wet pickup vacuum cleaner equipped with push-pull squeegee. A mop may also be used.
3. **Rinse** with clear water and allow floor to dry thoroughly.
4. **Apply** one coat of MULTI-CLEAN Gym Finish or MULTI-CLEAN Poli-Mirro Floor Finish. Use Method described in Steps 6 and 8 for treatment of new gym floors.

### Multi-Clean Floor Preserver

#### "Wet-Buffing" Method

1. **Sweep** with vacuum cleaner or push broom.
2. **Clean and Renew**—Pour MULTI-CLEAN Floor Preserver onto the floor to form a "feeder strip." This can extend the full length (or width) of the gymnasium. Spread Floor Preserver with an applicator or short string mop at right angles across the strip until the area is uniformly "wet" with a thin film. Floor Preserver contains a cleaning solvent which will effectively remove black marks. *No water is needed.*
3. **Scrub** the floor thoroughly, using a floor or scrubbing machine equipped with a No. 3 Steel Wool Disc, until no Floor Preserver is visible on the surface.
4. **Mop** with a synthetic mop which has been cut in half to a size of about 6 inches.



Two men, working together, form efficient team for applying seal or finish . . . an efficient, labor-saving method.

(Do not use a cotton mop as it will deposit lint.) Mop should be prepared by dipping in Floor Preserver, then squeezing to damp-dry. Follow immediately behind the scrubbing machine in order to remove any drippings or splash deposits. A strip approximately 6 feet wide can thus be scrubbed and mopped at a time. About 10 gallons of Floor Preserver is needed for the average gym, though it's often desirable to use more.

5. **Allow to dry** thoroughly. This usually takes 6 to 8 hours.
6. **If desired**, this would be an excellent time to apply an additional coat of either Gym Finish or Poli-Mirro Floor Finish.

### MULTI-CLEAN METHOD

for restoration of gym floors  
when refinishing is necessary

For best appearances and playing conditions, a gym floor should usually be re-finished every 3 to 5 years.

Without any doubt, sanding will produce the finest looking end result. There are a number of reasons, however, why it is not always wise to sand.

For example, each sanding removes as much wood as many years of normal wear. Sanding should never be undertaken if there is any likelihood that it will expose the tongue and groove of the flooring. Also, sanding is considerably more expensive than simply stripping off the old finish.

If the old flooring is cupped and warped, or if appearance is all-important, sanding is certainly called for. But if it is primarily a matter of getting rid of the old, darkened finish, you'll probably be wise to strip the floor. Sanding should be done according to procedure recommended by the Maple Flooring Manufacturers' Assoc. and an experienced contractor should be employed.

1. **Sanding** (when necessary)—If old finish is stubborn, sand first with a coarse No. 3½

grit open coat paper, then follow with a No. ½ and No. 1/0 paper as in the case of a new floor where there is no finish to remove.

2. **Follow Method** outlined in Steps 1 through 8 for sealing and finishing new gym floors.

When sanding is not required, the old finish may be removed by use of MULTI-CLEAN Seal and Varnish Stripper.

1. **Remove old line markings**—Line markings should be stripped separately before removing finish from the rest of the floor. This avoids possibility of permanent discoloration in case lines may have been painted with an enamel which will run and penetrate the freshly stripped "open" floor.

2. **Strip old finish**—Apply MULTI-CLEAN Seal and Varnish Stripper with applicator or brush with single-direction strokes. A minimum of stroking gives best results. It takes from 5 to 25 minutes for Stripper to complete its action, depending on condition of the old finish and number of coats to be removed. When inspection shows the old finish has been lifted from the floor, remove it with a squeegee or by sprinkling the floor liberally with sawdust or oil absorbing compounds . . . then buffing with a floor machine, using a steel wire brush.

3. **Sweep** with vacuum cleaner or push broom. Wipe with a towel or applicator treated with mineral spirits. *It is not necessary to neutralize the surface after using MULTI-CLEAN Seal and Varnish Stripper.*

4. **Seal and Finish** as outlined in Steps 2 through 8 for sealing a new gym floor.

For more information on MULTI-CLEAN GYM FLOOR treatments and MULTI-CLEAN METHODS for other type school floors

VISIT BOOTHS B-15 and B-17  
AT THE AASA EXHIBIT

or call your local MULTI-CLEAN Distributor . . . or write Multi-Clean Products, Inc., Dept. SE-69-29, St. Paul, Minn.

See • Learn • Compare

at the AASA Exhibit  
Atlantic City, Feb. 14-18



## SPOTLIGHT

elementary school pupils the mathematics concepts that underlie arithmetic.

The new series, says Willis H. Scott, president of the company, "not only provides pupils with an understanding of the basic principles of mathematics, but also leads them to enjoy a subject which has been the most frustrating and the most poorly learned in the elementary grades."

## What's Right in American Schools

FOR OUR OCTOBER ISSUE, SCHOOL EXECUTIVE asked approximately 100 superintendents of large and small school systems all over the country to select and describe a few of the things currently going on in their schools of which they were particularly proud.

The response was heartening. Several hundred practices were described, not all of which could be presented in the October issue. Be-

cause we feel that these encouraging reports should be shared with our readers, we have, for the past several months, included as many of these promising practices in our Spotlight section as space allowed.

### Able teenagers meet a challenge

*Allentown, Pennsylvania*

**JOHN S. CARTRIGHT,**  
*superintendent*

AN ADVANCED PLACEMENT PROGRAM instituted in the Allentown Public Schools in 1956 recently made it possible for members of one class to complete all the course work in Algebra II in one semester instead of the usual two, and still attain significantly higher scores than members of the regular class.

Candidates for this acceleration program need scores of 20 or better on the Iowa Test of Educational Development in the areas related to the subject under consideration; Intelligence Quotients of 120 or better; and favorable teacher opinions.

Following acceptance, pupils and parents are given orientation to the objectives, advantages and challenges of the program. Program meetings are held with parents for further clarification and to set up parent-teacher conferences.

### Individualized scheduling satisfies community needs

*Webster Groves, Missouri*

**H. W. SCHOOLING,**  
*superintendent*

A PROGRAM OF INDIVIDUALIZED SCHEDULING has made it possible for 75 percent of the graduates of the Webster Groves School District to enter college.

Pupils are grouped, on entering junior high school, into three levels. The basis for grouping entails the achievement level, the mental age and a teacher's judgment.

Instructional material is selected according to level of pupil achievement. Home economics and general shop are offered in junior high school so that pupils will be able to devote full time to academic subjects in senior high school. Select pupils are allowed to begin a language in 7th grade.



SE-239

Blooming Prairie Jr.-Sr. High School, Blooming Prairie, Minn.  
Arch: Haarstick, Lundgren & Assoc., Inc., St. Paul, Minn.  
Photographer: Clark Dean, Infinity, Inc., Minneapolis, Minn.

# SLATE CHALKBOARDS

first choice in leading schools

FOR EASIEST READING . . . WRITING . . . CLEANING



The growing number of award winning schools using slate chalkboards confirms slate's  
... superior visibility  
... unsurpassed writing and erasing qualities  
... timeless good looks  
... lowest cost per year  
... simple maintenance

Write for free literature on slate chalkboards. You'll find them invaluable in choosing the proper chalkboard for your school.

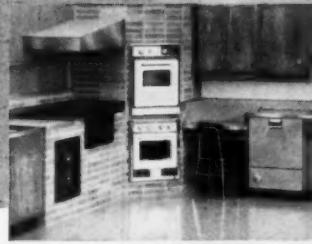
500 million years in the making . . . . . NATURAL SLATE

PENNSYLVANIA SLATE PRODUCERS GUILD, INC.

Pen Argyl, Pennsylvania

Sponsored by producers of Pyramid and Keystone American natural slate chalkboards





Photos shown are "Home Economics Education Studio" for instruction of teachers and graduate students at Michigan State University.

## Mutschler teaches teachers, too!

Mutschler cabinetwork facilities are so complete, so up-to-date, these beautiful but practical units are being specified not only for regular school homemaking departments . . . but also for teacher and graduate student laboratories. The benefits of nationwide school planning services are available to architects and boards without additional cost. If you have a new or remodeled homemaking department in mind, send coupon for literature and name of nearest Mutschler sales engineer.



See • Learn • Compare  
at the AASA Exhibit  
Atlantic City, Feb. 14-18

MAIL COUPON FOR INFORMATION



Finest in domestic  
and institutional  
cabinetwork since 1893

**MUTSCHLER BROTHERS COMPANY**  
Dept. J-3202 Nappanee, Indiana

Please send literature on your school homemaking cabinetwork . . . without obligation.

name \_\_\_\_\_

school/firm \_\_\_\_\_

address \_\_\_\_\_

city, state \_\_\_\_\_

**SPOTLIGHT**

# A New and Versatile Method of Cleaning Schools



Here's the most versatile vacuum cleaner ever designed for school cleaning . . . the Tornado Pac-Vac.

It's the powerful Tornado motor unit on a comfortable pac frame.

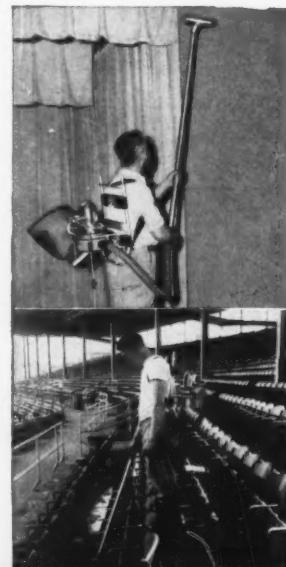
Use it for cleaning floors (with the new Tornado 22" floor tool), cleaning overhead pipes, walls, acoustical ceilings, light fixtures or stairs.

Equipped with blowing tools, this is the perfect air sweeper for auditoriums, gymnasiums, grandstands or other areas with permanently attached seating, as well as school buses. It's also a quick way of cleaning walks and outside corridors.

**Write for Bulletin No. 921 today.**

Tornado makes a full line of tank type Vacuum Cleaners for wet or dry pickup, Blowers, Dust Collectors and Floor Machines.

*"Visit us in Booths 1135-1136, American Association of School Administrators, Atlantic City, N. J., Feb. 14-18."*



**BREUER ELECTRIC MFG. CO.**

5088 N. Ravenswood Avenue • Chicago 40, Illinois

A pupil entering 10th grade has his program planned according to the college of his choice and his known potential. Offerings include mathematics, English, science, Latin and modern languages.

Over a period of 10 years, 50 percent of Webster Groves' seniors has been in the top 25 percent of the state in college aptitude tests, and never less than 12 percent has been in the top 5 percent.

## Charity begins in Brooklyn

BROOKLYN, N. Y.—Two educational institutions here will share \$13,163 as a result of a Kings County Surrogate's decision.

The money was left by a Brooklyn recluse, known as "a mystery man" to his neighbors, to the State Bank of the Soviet Union "for the advancement of arts and sciences" in the Soviet Union.

The Soviet Government, through a legal representative, sought to collect the funds, but was opposed on the grounds that a state law prohibits the sending of any currency behind the Iron Curtain.

Surrogate Maximillian Moss upheld the argument in a 5-page decision, designating the Brooklyn Academy of Music, an institution "with deep roots in American ideology," and New York University, "a private university in the public service," as recipients of the estate.

## Special Ford Fund Grant To Finance School Visits

MORRILTON, Ark.—Public schools here have received a special financial grant from the Ford Fund for the Advancement of Education to meet the cost of sending a small delegation to visit schools recognized as having exceptionally high grade instructional programs and physical plants.

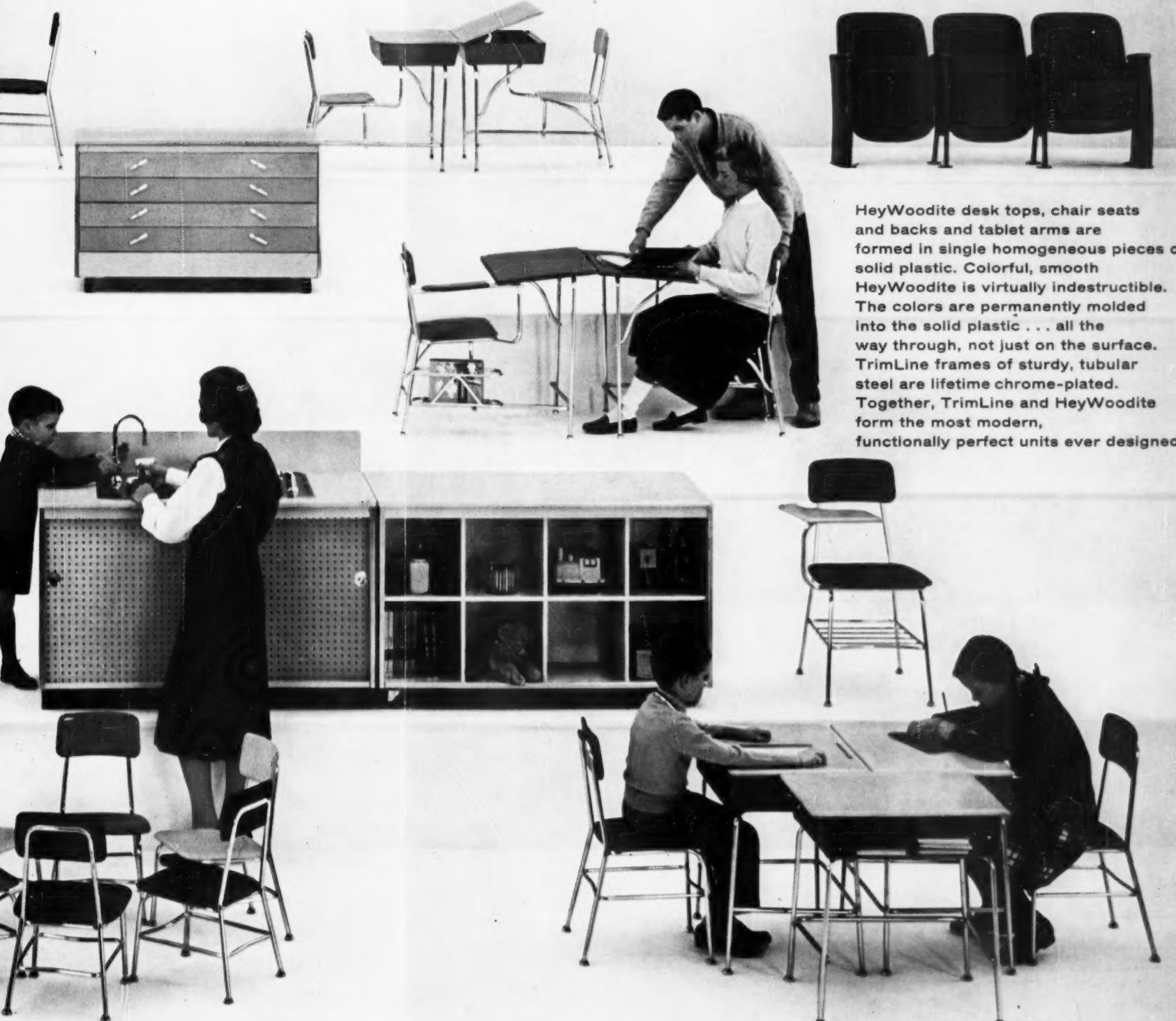
The grant was awarded to the schools partly in recognition of their newly expanded program. Alvin C.



TRIMLINE SCHOOL FURNITURE WITH HEYWOODITES



For everlasting service and beauty select TRIMLINE with HEYWOODITE



HeyWoodite desk tops, chair seats and backs and tablet arms are formed in single homogeneous pieces of solid plastic. Colorful, smooth HeyWoodite is virtually indestructible. The colors are permanently molded into the solid plastic . . . all the way through, not just on the surface. TrimLine frames of sturdy, tubular steel are lifetime chrome-plated. Together, TrimLine and HeyWoodite form the most modern, functionally perfect units ever designed.



on  
every  
level  
of learning.

For proven quality and performance select the **STANDARD TAPERED** line

The advantages of Heywood-Wakefield Tapered Tubular Steel Furniture have been proved in thousands of classrooms from kindergarten through college. These dependable, flexible units are unequalled in the moderate price range.



SEND FOR COMPLETE CATALOGS

Heywood-Wakefield Company, Menominee, Michigan

I send me a complete catalog of your  
Furniture and Auditorium Seating.

Entered in:

the  Standard Tapered  
 Auditorium Seating

NAME \_\_\_\_\_

SCHOOL \_\_\_\_\_

ADDRESS \_\_\_\_\_





g ...



**For rugged quality at a budget price select NEWPORT by Heywood-Wakefield**

Priced to fit the modest school budget, yet built with quality materials to keep maintenance and replacement at an absolute minimum, Newport is today's soundest investment for the economy minded school.

DENSI-CORE PLASTIC desk tops, study tops and tablet arms are used throughout the Newport line. Another Heywood-Wakefield development, Densi-Core is a new pressure-molded material of exceptional strength and durability.

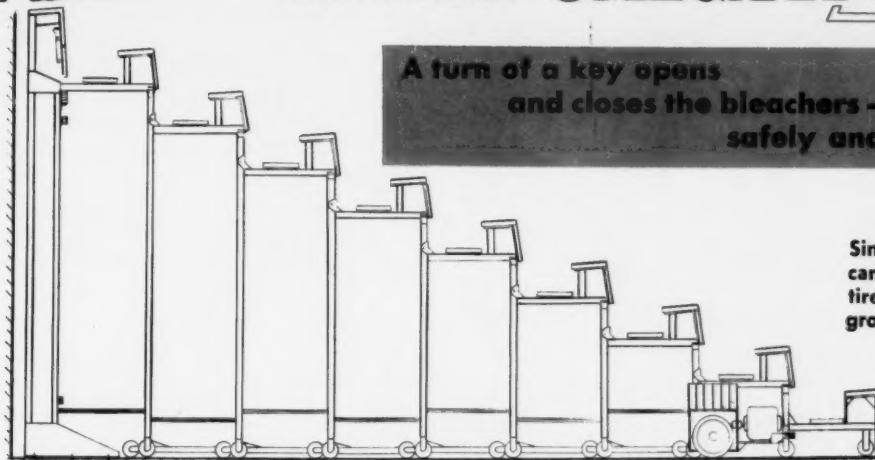




*Announcing*

the ultimate in mechanical folding bleacher operation

# BERLIN OMEGA EZ-A-WAY

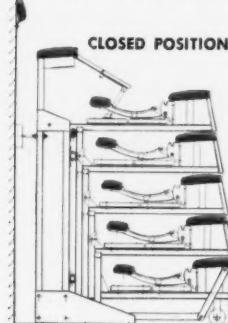


EXTENDED POSITION

Patent applied for.

You tell us the type of bleacher setup you want . . . we have it. OMEGA EZ-A-WAY may be used on all types of folding bleachers, including reverse fold delayed-action balcony installations. Easy and simple operation . . . no complicated installation . . . any school personnel can operate it. No damage to equipment as there is no chance of mis-handling equipment during opening and closing operations . . . NO ADJUSTMENTS NEEDED FOR LIFETIME OF INSTALLATION. Its versatility warrants your immediate investigation.

Single station control can open or close entire installation — or a group of sections only.



CLOSED POSITION

**SELECT** to harmonize with your gymnasium setup.  
**COLORS**

Here are bleachers with all the design features of the regular EZ-A-WAY plus Deluxe seats in color to harmonize with your gymnasium surroundings . . . any color combination . . . alternate seats in any row may be different.

**BERLIN**  
SEATING  
ENGINEERS

WRITE FOR COMPLETE DETAILS TO

BERLIN, WISCONSIN  
A Division of Consolidated Foundries  
And Manufacturing Corp.

## SPOTLIGHT

Eurich, vice president and director of the Fund, made a visit to Morrilton last summer. During his visit, he was taken on a tour of the schools by Superintendent Paul G. Liddicoat.

The chosen delegation will visit schools in Miami, Fla.; Covington, La.; San Angelo, Texas; Cambridge, Mass.; Hagerstown, Md.; and Mt. Pleasant, East Lansing, Ann Arbor and Ypsilanti, Mich., among others.

## Higher Education Abroad

### Turkey Plans Construction Of International University

ANKARA, Turkey—Higher education will get a big boost here if plans for construction of the big, expensive Middle East Technical University are approved.

Turkish authorities are anxious to obtain a permanent charter for the university, which has been operating

under provisional laws. Opposition stems from leaders of universities and technical institutes in Ankara and Istanbul who think the money might better be spent improving established institutions.

Objections to the project center around the huge expense involved and the fact that the university is to be entirely English-speaking. To many it is inconceivable that the Government should pay in large part for an international university in which all the teaching would be in a foreign tongue.

### England Intends to Modify "Eleven-Plus" Examinations

LONDON—The Ministry of Education has announced that it intends to modify the controversial "eleven-plus" examinations, which divide students in state schools into those who may attend grammar schools and those who may attend "modern" or technical schools, which do not ordinarily lead to universities.

The examinations have been under heavy criticism recently because many parents feel that they constitute a premature and arbitrary bar to higher education for a large proportion of British youth.

These examinations constitute the fundamental difference between the British and the American educational systems. The British have been seeking in recent years to modify their system by making university preparatory courses available to students in all types of secondary schools.

### University Senate Approves Guaranteed Study Proposal

OTTAWA—A proposal to guarantee a university education to all honor students in the Province of Ontario has been approved by the Senate of the University of Toronto. All sections of the university must approve the measure before it can be adopted.

At present, there is no free university or college tuition in Canada, though many students are assisted

SEE  
**MID-CENTURY**  
**library**  
**furniture at...**



..... and you will see why librarians and dealers from coast-to-coast are hailing Mid-century as the finest wood library furniture ever made.

Your dealers and our factory representatives will be on hand to greet you.

**SPACES J43,  
45, 47, 49  
(1ST FLOOR)**  
**AASA**  
**ATLANTIC CITY**  
**FEBRUARY 14-18**

**MYRTLE DESK COMPANY**

HIGH POINT, NORTH CAROLINA



Walt Disney Elementary School, Tullytown, Pennsylvania. Architect: John Carver, Philadelphia, Pennsylvania.

## FOR Safer SCHOOLS USE MISCO WIRE GLASS

**Offers Proven Protection In Doors . . . Windows . . . Partitions . . . Skylights**

The safety of our students depends upon the materials used in school buildings. Many large loss fires result from exposure through ordinary glass. Give your students the positive protection of wire glass and help avert tragic and costly fire losses. Mississippi Wire Glass, Approved Fire Retardant No. 32, tends to help bottle up fire. Don't bargain with safety. Specify Mississippi Wire Glass, the original solid wire glass upon which the Underwriter's Standard was based in 1899 . . . the standard today by which all others are judged. Available in "see through" or obscure patterns wherever quality glass is sold.



Write for free catalog.  
Address Department 16.



### *Trial by Fire*

#### **PROVES WIRE GLASS BEST**

Wire glass is the only glazing medium that can successfully withstand the fury of the flames in this dramatic Underwriter's Laboratory test. To qualify as Fire Retardant No. 32, the glass is first subjected to temperatures up to 1600° F. and later to a 3/4" stream from a fire hose at 35 to 40 lbs. pressure. Passing the test requires that the glass remain in the sash substantially unchanged except for cracking due to thermal shock.

#### **Insist on GLASS for Glazing**

**MISSISSIPPI  
GLASS COMPANY**  
88 Angelica St. • St. Louis 7, Missouri

NEW YORK • CHICAGO • FULLERTON CALIFORNIA

## protect your students

with



### keep bacteria count at a minimum

Sanitary silverware is essential in school cafeterias to safeguard students from bacteria contamination. With the Steril-Sil System, silver is never touched from rinsing to dispensing, assuring minimum bacteria count. The Steril-Sil System speeds silver handling — makes more clean silver available during rush hours and saves valuable employee time, important factors with today's increasing school enrollments. Rugged lightweight nylon Cylinders, acid and heat-resistant, hold silver from sterilizer to serving station. Polished stainless steel Top Counter Dispensers, Unda-Bar Dispensers and Baskets are available to fit the needs of every size operation. The Steril-Sil System is low in cost and requires no maintenance.

Silver is washed in upright position in Cylinders and tumbled into empty Cylinders handles up. Silver is then carried in convenient Baskets to replace empty Cylinders in Top Counter or Unda-Bar Dispensers.



**the STERIL-SIL company**  
152 CAUSEWAY ST., BOSTON 14, MASS.

## NEW PLANNING GUIDE for SCIENCE ROOM FURNITURE

**Designed with the FUTURE in mind!**

Steel furniture is specified for Science Rooms by leading educators and architects because it is: Fireproof, Corrosion Resistant, Waterproof, Rugged and Functional.

Send for FREE CATALOG DE4 illustrating suggested layouts for new rooms, remodeling old rooms and the most advanced ideas in science furniture for progressive education.

Visit us at  
BOOTH #1341  
A.A.S.A. Convention  
Atlantic City, N.J.  
Feb. 14-18, 1959

### DURALAB EQUIPMENT CORP.

983 Linwood Street, Brooklyn 8, N.Y.  
Manufacturers and Designers of Science Room Furniture and Equipment

## SPOTLIGHT

through scholarships, bursaries and loan funds.

Under terms of the proposal, first class honor students will receive free tuition in the first year and free tuition throughout the university course, as long as first class honor standing is maintained.

### Our children brainwashed?

A NEWLY-PUBLISHED BOOK, called "Brainwashing in the High Schools," contends that American high schools are paralleling "the Communist line" in their presentation of American history and economics.

Merrill Root, author of the book, claims that "the dominant textbooks used (to teach) American history do not get across 'the absolute fundamentals of survival today.'" To establish his case, he examines 11 American history textbooks in use today.

By a system of line counting, Mr. Root seeks to establish that, in general, these books are giving an interpretation of American history that is strongly socialistic, internationalistic, Democratic and anti-Republican.

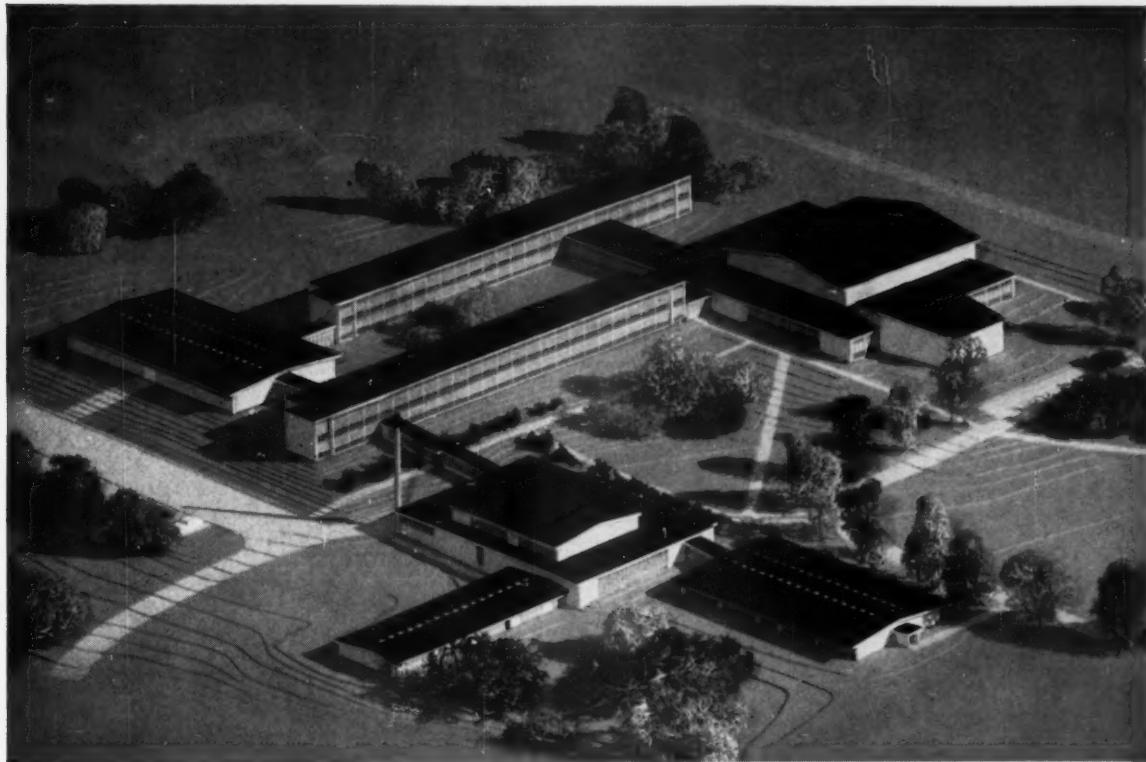
### Lancaster Committee Drops Student Schoolkeeping Plan

LANCASTER, Mass.—A student schoolkeeping program, adopted on a trial basis by the Lancaster School Committee, has been cancelled in the interests of continued harmonious development of the schools.

Had the plan been put into practice, students in grades one to twelve would have been responsible for the major care, cleaning and upkeep of their schools. The circulation of this proposal resulted in enough indications of public opposition to jeopardize the program.

The committee of faculty and parents which adopted the plan expected to gain certain economies from it, but the financial saving was considered only an incidental part or a by-product. The important purpose was listed as the building of a sense of civic responsibility and appreciation in the students.

A continuing series of outstanding schools, churches, office buildings, hospitals and industrial structures using NORTON DOOR CLOSERS



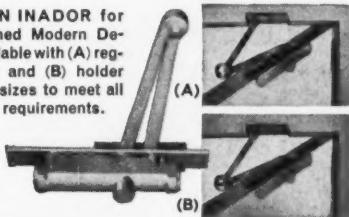
HAARSTICK LUNDGREN AND ASSOCIATES INC.—ARCHITECTS, ENGINEERS  
HARDWARE DISTRIBUTOR: WHEELER HARDWARE CO., ST. PAUL, MINN.

## SCHOOL PLANNING THAT LOOKS AHEAD SPECIFIES NORTON DOOR CLOSERS

Burnsville School—Independent District No. 191—Savage, Minnesota

### Complete Norton Line Meets Every Door Closer Need

**NORTON INADOR** for Streamlined Modern Design available with (A) regular arm and (B) holder arm...4 sizes to meet all standard requirements.



**NORTON 750:** New corner design with concealed arms for all type doors, particularly narrow rail doors.



Norton Surface-type Closers are available for all installations where concealment is not essential.



**NORTON 703E:** Compact surface mounted type...first closer with extruded aluminum alloy shell.



Here's an outstanding new school building—the result of plans that were made to meet some twenty carefully considered objectives. Among them: (1) The building must be functional; modern beauty without waste. (2) It must be of good materials to stand the test of time. These two factors governed selection of door closers.

Interior doors have NORTON INADOR Closers mortised into the top rail. Their compact, fully concealed mechanism packs all the rugged dependable power of true liquid-type closers plus the reliability, low maintenance and precision workmanship common to all *Norton Door Closers*.

Exterior doors use Norton Surface-Mounted Closers, modern counterparts of Norton Closers still in daily use after serving continuously up to 30 years and longer in some of America's most famous public buildings. For fully illustrated data on these and other models, consult the current Norton Catalog. Write for it today.

# NORTON® DOOR CLOSERS

Dept. SE-29 • Berrien Springs, Michigan



## COUNTY FAIR, SCHOOL

REMEMBER how, when you were a kid (if you were lucky enough), you used to spend a day at the Fair and your father would look at the livestock and your mother would study the puddings? You'd spend the whole day asking questions and learning and maybe go home at night without having bought a single thing? But you certainly learned a lot that helped you make future purchases on a wiser basis, and made better farmers out of you.

You could order anything from pig-stabbers to complete combines, or you could just look and soak up knowledge.

Modern-style, school-style, that's the annual AASA Convention at Atlantic City — the big-

gest single display of the year of all that's new and necessary to running a school (except students and teachers).

You can shop, you can browse, you can compare. You can talk fine points with the men who really know them best — the men who make the products. There's something here for everyone, from chalkboard erasers to complete heating and ventilating systems.

You can get the facts, and go home and sleep on them. Nobody's going to high pressure you, flummox you or use any hidden persuaders or subliminal sales pitch. Come and enjoy yourself, with the Associated Exhibitors as your hosts.



## STYLE

America's shopping and browsing center for school equipment, materials, supplies is the annual AASA Convention at Atlantic City

**HERE'S A TIP:** It's humanly impossible to cover all the exhibits thoroughly in the limited time you'll have. In January or February, this magazine will be carrying a special news feature, provided by AASA, showing you important new items that will be on display. Study this — and your convention program — carefully and pick your spots. Select the products that are your biggest problems at the time and try to see each manufacturer. They'll be happy to answer any questions you may have. Your schools will benefit.

This message prepared in the interests of better education by

**AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS**  
*and*  
**ASSOCIATED EXHIBITORS of National Education Association**



**KNOWING YOUR AUDIO-VISUAL NEEDS AND PRESCRIBING FOR THEM IS THE JOB OF YOUR PROFESSIONAL NAVA DEALER**

The NAVA member is a specialist in everything audio-visual. You save money, time, and worry when you learn to rely on him for every kind of audio-visual need.

**PLANNING** an A - V program for any purpose, the NAVA Dealer can save you false starts and help make your program more effective.

**SERVICE** on any kind of projection equipment is the NAVA Dealer's specialty.

**RENTAL** of projectors, sound equipment, tape recorders, to save you time, money, and shipping problems.

**FILM LIBRARY SERVICE** is offered by NAVA Dealers.

Rely on the recognized expert . . . call in your nearest NAVA Dealer for any kind of audio-visual help . . . make him a part of your audio-visual program.



**National Audio-Visual Association, Inc.**  
Fairfax, Virginia

*Please send me a list of authorized, professional NAVA Dealers coded to show services and rental equipment offered by each.*

Name \_\_\_\_\_  
School \_\_\_\_\_  
Address \_\_\_\_\_  
City & State \_\_\_\_\_

## SPOTLIGHT

### Quote . . . unquote

• "Equality of opportunity is an obligation which our nation must assure its citizens. So long as our democracy places its faith in universal suffrage, our schools must strive for that excellence which is the full potential of every child, not merely for that excellence which is the privilege of only the academically talented. The average and below average child must never be the scorn of the educator, nor must any mind go undeveloped. The schools must never contribute to a breach between our concept of equality and belief in the essential worth of each human being and the value we place on intellectual achievement."—THE AMERICAN ASSOCIATION OF SCHOOL ADMINISTRATORS and the NATIONAL SCHOOL BOARDS ASSOCIATION in a joint statement called This We Believe.

\* \* \*

• "Self-control is an expression of the sense of social responsibility which is implicit in the freedom guaranteed in a democratic society, for freedom is not synonymous with license or with anarchy. Like respect, freedom in our democratic social order must be merited if it is to be retained."—IRWIN O. ADDICOTT, Ed. D., Fresno State College, in a book called Constructive Classroom Control.

\* \* \*

• "The idea of equality, equality of opportunity and equality of rights, does not depend upon the idea that human beings are of equal biological endowment. Rather, that idea depends upon the ethical principle that every man by virtue of the fact that he is human is therefore entitled to all the rights and privileges that go with being human, and the greatest of these rights is the right to development."—ASHLEY MONTAGU, in a pamphlet called What We Know About Race.

## Folding Tables are NOT all alike!



**No other tables have as many "Extra Features" as**



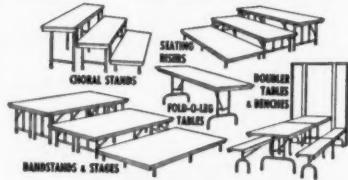
- ★ GREATER SEATING CAPACITY
- ★ MORE LEG COMFORT
- ★ UNEQUALED APPEARANCE, DURABILITY, STRENGTH
- ★ FINEST CONSTRUCTION, MATERIALS, FINISHES
- ★ BUILT FOR LONG SERVICE



### TUBULAR STEEL FOLDING LEGS

SMOOTH, SANITARY TOPS of Brown or New Light Finish "Qualite" Masonite Preswood, Formica and Resilite in many patterns and colors.

A COMPLETE LINE OF SPACE-SAVING, PORTABLE, MULTIPLE-USE EQUIPMENT



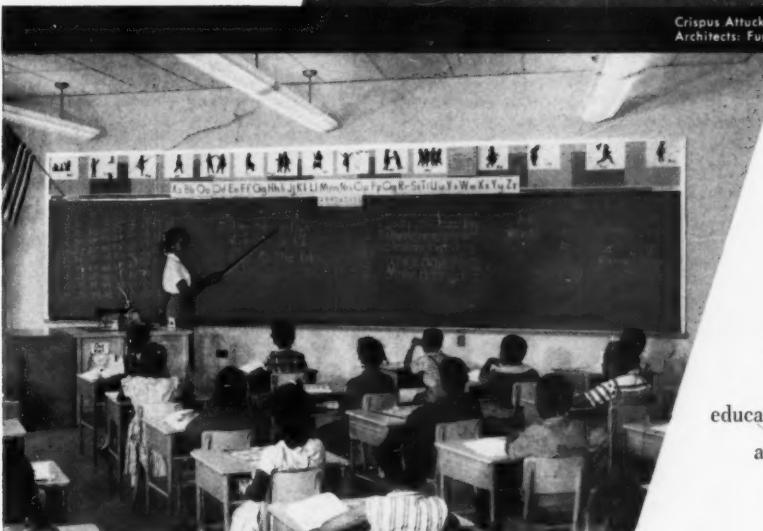
Write for Descriptive Folders

**MITCHELL MFG. CO.**  
2726 S. 34th St. • Milwaukee 46, Wis.

# Claridge

## Chalkboard & CORK Bulletins

QUALITY ...  
PERMANENCY  
at LOW COST



Crispus Attucks Elementary School, Chicago, Ill.  
Architects: Fugard, Burt, Wilkinson, and Orth, Chicago, Ill.



CLARIDGE continues to modernize and improve chalkboard and bulletin board manufacturing in step with new educational demands. 36 years experience concentrated on ONE purpose: the FINEST chalkboards and bulletin boards with greatest educational value. Schools and architects around the world name CLARIDGE to define their standard of quality.



● NEW!

### Full Color Catalog

Larger, many real colors, more detail. Get Catalog No. 229 to help you solve replacement, remodeling, or new building problems. You'll find much helpful information.

1 Duracite Chalkboards in Seven Colors	9 Claridge Factory Built Chalkboards and Bulletin Boards
2 Grapholite Chalkboards	10 Claridge Washable Chalkboards
3 Asbestocite Chalkboards	11 Vertical Sliding Chalkboards
4 Horizontal Sliding Chalkboards	12 Claridge Reversible Chalkboards and Bulletin Boards
5 Vitracite Porcelain Enamel Chalkboards	13 Extruded Aluminum Display and Trophy Cases
6 Durasteel Chalkboards in Seven Colors	14 Extruded Aluminum Bulletin Board
7 Fabricork Fabric Surface Bulletin Boards	15 Claridge Swing Leaf Display Boards
8 Extruded Aluminum Chalkboard and Corkboard Trim	

Claridge PRODUCTS  
and Equipment Inc.  
HARRISON, ARKANSAS

Please send catalog 229  
 Send samples or additional data on items circled below:

1 2 3 4 5  
6 7 8 9 10  
11 12 13 14 15



Name \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

SE-253

# CENTRALIZE your food preparation and SAVE MONEY

with--



## Vacuum Insulated Carrier-Dispensers

- Unequaled Durability
- Permanent Efficiency
- Highest Sanitation

All Stainless Steel



### Eliminate The Unnecessary Duplication Of Costly Kitchen Equipment By Adopting The "AerVoid-Central Kitchen System"

Serve any number of locations, any distances, even hours later — Piping Hot or refreshingly Cold with VACUUM Insulated AerVoids — the only permanently effective insulation.

It does not settle, shrink or deteriorate — Nor does it permit dangerously insanitary leakage — Specify "AerVoid" To Be Sure — There Are None Equal.

- Highest In Quality
- Lowest In Cost

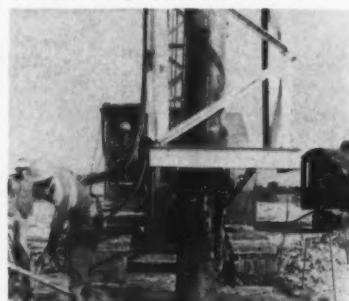
Write for FREE Literature Kit SE-21

**Vacuum Can Co.**

19 S. HOYNE AVE CHICAGO 12, ILL.

SPOTLIGHT

### Compacting cylinders of soil



The vibrating machine shown above, called a Vibrofloat, is being used to compact loose sand at the University of South Florida, a newly chartered university in Tampa. Loose sand is an age-old nemesis to engineers designing foundations for heavy structures. The use of such a foundation solution has eliminated the need for piling or other costly alternates. Vibrofloatation has been used to preset sandy surfaces for six new Florida schools and schools in New Jersey, Maryland and New York.

### Michigan Schools Suffer From Recession Spending

ANN ARBOR, Mich.—The effects of the recession are still being felt in some parts of the country. In some districts in this state, for instance, the schools are in a critical financial condition because of the failure of the sales tax revenue to measure up to estimates made by the 1958 Legislature.

Sales taxes are the largest single source of state school aid here, and, in the four months after July 1 of last year, sales of automobiles, building supplies, household furniture and items in department stores were just not up to the previous year's standards.

The Legislature is expected to make a deficiency appropriation from general funds when it convenes, but this is only a temporary solution to the problem. A long range solution will have to come from an additional broad base tax of some type.

SE-254

## FASTER

# school floor mopping

at LOWER COST...

...when you specify Geerpres Mop Wringers

Try a Geerpres wringer and you'll know why maintenance men prefer them to ordinary mop wringers.

They make a tough job easier because of powerful, controlled squeezing action that wrings mops dry in a single operation. Patented design eliminates splashing once-cleaned floors. Moving is effortless because of ball-bearing, rubber casters.

Not only do you save costly labor time, but premium quality materials and construction — such as exclusive corrosion-resistant electroplated finish — assure long service life. Mops last longer, too, without twisting or tearing.

See your jobber, or write for free catalog listing all sizes and types, accessories, and hints for more efficient mopping.



"FLOOR KING"  
Mopping Outfit  
for mops to 36 oz.

**Geerpres**

WRINGER, INC.  
P.O. BOX 658, MUSKEGON, MICH.

Stall J27, American Assn. of School Administrators, Feb. 14-18, Atlantic City

# SCHOOL ADMINISTRATORS!

Here is an opportunity to improve the administration of your school: The systems and products developed by Remington Rand for schools are the direct result of analyzing school administration problems.

The new ideas and equipment presented on this page were designed with the purpose of saving you time, space, and money and increasing the efficiency of your procedures. Whatever you need you'll find it doesn't cost—it pays to give us the responsibility for your installations.



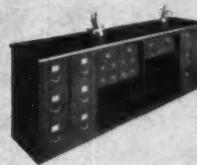
**Microfilming As a Space Saver.** Film-a-record microfilming offers low-cost storage and fast reference to student history records. Model 8.1 Camera has big machine precision—small machine convenience. Films records at 24 to 1 or 40 to 1 reductions.

F383



**Photocopy—Without a Darkroom.** School copying problems call for a low cost efficient method that gives quality results. Remington Rand TRANSCOPY Meteor photocopier offers the ultimate in copying equipment.

P516



**Equipment for School Administrative Offices.** Aristocrat® Lifetime Files. 3-drawer Aristocrat files with continuous tops, linoleum banded with metal edges provide step-saving efficiency, lifetime beauty.

LBV482



**Certified, Insulated Protection for School Records at Their Point-of-Use.** Your vital records can best be protected against fire by "point-of-use" insulated equipment... Safe-Cabinet®, Safe-File® are only two of the more than 200 models available.

SC685



**Typewriter Perfection.** The Remington Rand Business Education Advancement Plan enables you to purchase famous Remington® Electric Typewriters at lowest cost in history.

RE8772

Free . . . Product Information  
Send Today



**The Fully Automatic Calculator That Prints.** The Remington Rand Calculator cuts costs and increases efficiency. More figure work per operating hour is yours with the new precision-built fully automatic Model "99".

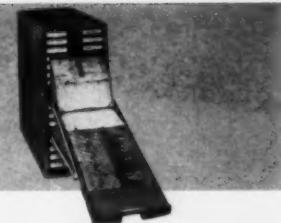
C1189

## Remington Rand

DIVISION OF SPERRY RAND CORPORATION  
Room 1218, 315 Fourth Avenue, New York 10, N. Y.

- (K0829) "The Finest Expression of Visible Record-keeping"
- (F383) "Film-a-record Model 8.1—The Low-Cost Precision Microfilming Machine"
- (C1189) "For Teachers On The Run! For Students Going Places!"
- (A1122) "Instructors Teach More Easily—Students Learn More Quickly with The 10-Period Adding Machine Course"

For your needs, we have no reason to recommend anything but the right machines and systems — we make them all!



**Aristocrat Kardex® Record Cabinet** maintains up-to-the minute control over inventory, attendance, student history, guidance and textbooks records—within budget limitations. KD829



**Library Bureau Furniture** assures lasting beauty. Combines flush construction and rounded corners to eliminate dust, splintering. Refurnishing or expanding, select Library Bureau furniture with the smart, modern look.



**Cost-Cutting Supplies for Office and Classroom.** Cotton ribbons for the classroom and the new Super NYLEX ribbon for the office. Line-a-time® copyholder holds copy at correct angle. Quality Carbon Papers assure crystal-clear carbons. Plastiplate® offset printing plates for duplicating. (Patent Applied For)



**The All-Electric Adding Machine.** The Remington Rand All-electric Adding Machine with 10-Key touch method operation is perfect for teaching or office work. Cushioned power minimizes noise and vibration.



Please send the free booklets indicated to:

NAME & TITLE \_\_\_\_\_

SCHOOL \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_



*you're cordially invited . . .*

to join your colleagues  
at the premier national showing of

*the  
all  
new*

# CONTEMPORARY

Classroom Furniture

We would, indeed, be honored to have you with us on this most significant occasion—the first national showing of our new line of classroom furniture—a line which has been three years in the making—years of intensive research, design and engineering development.

See the new Brunswick Contemporary Series, a natural evolution from the famous Brunswick school furniture which a few short years ago was spectacularly accepted by you as setting a new criteria for classroom beauty and function. See the new Contemporary Series—classroom furniture which takes fullest advantage of the new materials and technologies developed during the past few years. See the new Contemporary Series—classroom furniture which only Brunswick, the largest company engaged in the manufacture of school furniture could create.

We are proud of our achievement. Even excited! You will be, too—for the very basis and character of our new furniture—its beauty—function—even construction detail is predicated entirely upon what you and your colleagues throughout America are continuing to show us—by observation—by recommendation.

We believe our new line is a faithful translation of these, your expressed needs and wants.

*The Brunswick-Balke-Collender Company • School Equipment Division • Chicago 5*

**A complete correlated line of school furniture consisting of stacking chairs • tablet arm chairs • chair desks • study-top and bookbox combinations • bookbox and open-front desks • rectangular, trapezoidal, round and half-round tables • special purpose tables • typewriting and business machine desks and bookkeeping desks. In addition, complete lines of free standing storage and special purpose cabinets • Modular, chalkboard-display wall equipment • folding backstops • folding gym seating • folding stages • folding wardrobes • folding partitions**

*an important message from*

**Brunswick**



# SERIES

of Advanced Design

A.A.S.A. ANNUAL CONVENTION  
ATLANTIC CITY, NEW JERSEY  
FEBRUARY 14 THRU 18  
BOOTHES—1211 — 1330

# Saf-Pla

the **NEW** low cost  
**RUBBERIZED**  
**TENNIS COURT**



## Cushioned for Comfort and Safety

Now the famous Saf-Pla, used for rubberizing playgrounds, has also been successfully adapted for surfacing tennis courts. Recreation Directors and School Executives who know about the safety, convenience and weather resistance of Saf-Pla will be interested in knowing that the tennis courts have all these advantages and more. The life of the court will be increased because Saf-Pla can be applied over any existing hard surface . . . and in most cases, even badly deteriorated ones. Tennis players will appreciate the surer footing of rubber on rubber, as well as the attendant foot-ease brought about by this resilient surface. The uniform bounce plus the safety factor in the event of a fall are additional reasons why your tennis court should be surfaced with Saf-Pla.



Saf-Pla photographs taken at Agassiz Circle, Delaware Park, Buffalo, N. Y.

Send for Illustrated Literature

**U. S. RUBBER RECLAMING CO., INC.**  
P. O. BOX 365 BUFFALO 5, N. Y.

## SPOTLIGHT

### Surveyors Conduct Search For "Quality" in Education

NEW YORK—Two separate surveys into what constitutes "quality" in education are being conducted this school year under the general supervision of Paul R. Mort, professor of education at Teachers College, Columbia University.

The first survey, launched in November, is being conducted in nearly 400 rural school systems within New York State as part of a 3-point research program adopted by the Central School Boards Committee for Educational Research.

The second survey, launched in December, is being conducted in the approximately 475 schools in the 70 metropolitan area school systems belonging to the Metropolitan School Study Council. This survey will include eight New York City neighborhoods.

The rural school study will cover many of the factors that influence quality in education. The metropolitan study will concentrate on teaching practices and new curriculum developments.

### NEA Allocates \$60,000 To Work Conditions Study

WASHINGTON—Two "Conditions of Work" projects, set up to scrutinize the daily schedule and working conditions of teachers, college professors and administrators, are being sponsored by the National Education Association.

The NEA's Department of Classroom Teachers, together with the Association for Higher Education, will work until May on these inquiries, which are part of the NEA expanded service program. Two other major surveys have been instigated by the Association this year, one on the gifted child and the other on the juvenile delinquent.

The DCT study will chart the standards of working conditions for classroom teachers and administrators. The AHE study will be concerned with conditions of work for college faculty and administrators.

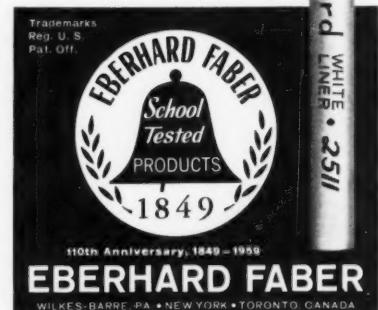


## CHALK UP WINNING CLASSROOM WORK

### WITH THE NEW EBERHARD FABER SCHOOL TESTED PRODUCTS

**CHALKBOARD** White Liner Pencil is teacher's helper for all classes. Perfect for music scores, maps, charts and for drawing semi-permanent guide lines on blackboards. Chalkboard marks remain while ordinary chalk is removed. Resists water but can be erased by a conventional eraser like Eberhard Faber's Rubkleen.

**CHALKBOARD** is just one of the top grade values in Eberhard Faber's new line of *School Tested Products*. Write for information on complete line of ball pens, quality pencils, teacher aids and drawing materials. Education Dept., Eberhard Faber Pencil Co., Crestwood, Wilkes-Barre, Pa.





## Schools Finance Projects with Profits from Popcorn

Small schools, large schools—schools with as few as 175 students, as many as 1700—report operation easy, profits high, and pet projects close to reality.



**A**cross the nation, schools are finding it easy to raise additional funds for the much-wanted "extras" that school budgets seldom include—simply by selling popcorn at various school functions!

### SCHOOL PROJECTS VARY

Currently, hundreds of schools are using their popcorn profits to purchase such varied items as band uniforms, motion picture projectors and screens, sports equipment, hi-fi phonographs, and television sets.

The machine they are using is the Manley Vistapop, a semi-automatic unit that pops fresh, hot popcorn in full view of customers. It is completely self-contained, requires less than nine square feet of floor space, and can be operated by your students after a few minutes' instruction.

### MACHINE PAYS FOR ITSELF

Many schools finance the machine through their P.T.A. organizations or similar groups, but the Vistapop soon pays for itself with profits averaging as much as 75% of the gross sales!

### SELLS AT MANY OCCASIONS . . . VARIOUS LOCATIONS

Operated by students, a school's Manley Vistapop popcorn machine finds eager patrons at school carnivals and class parties . . . football, basketball and baseball games . . . in the lunchroom and after school hours.

### MORE INFORMATION AVAILABLE

The amazingly simple—and pleasingly profitable—operation of the Manley Vistapop® popcorn machine makes it a natural to raise funds for your school's projects. Send today for full details on how it has worked for other schools and how it can work for yours. Simply clip, complete and mail the coupon below. Be sure to check the second box if you wish a Manley representative to call on you.

Manley, Inc., Dept. SE 259  
1920 Wyandotte Street  
Kansas City 8, Mo.

Please rush me—without obligation or charge—information on Vistapop profits for our school projects.  
 Please have a Manley representative call on me.

Name \_\_\_\_\_

Title \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

## SPOTLIGHT

### Educators in the Headlines

• **Donald A. Harrington**, associate professor of speech at the University of Florida, was appointed specialist in speech and hearing in the Office of Education. In his new post, Dr. Harrington will be concerned with school programs for children and youth with impaired speech and hearing.

• **Lyle W. Ashby**, assistant executive secretary for educational serv-

ices, was named deputy executive secretary of the National Education Association.

• Three teachers, members of the professional staff of the Wilmington Public Schools, were elected to public office. **Joseph A. Bradshaw**, teacher of physical education, H. Fletcher Brown Vocational High School, was elected Recorder of Deeds, New Castle County. **F. Earl McGinnes, Jr.**, and **Russell Dineen**, both teachers of mathematics

in the Wilmington High School, were elected to the Delaware House of Representatives.

• **George E. Mills**, assistant superintendent in charge of senior high schools and Community College for Dearborn, Michigan Public Schools, accepted the superintendency of the new Saginaw Township School District. The new district was formed last August from five smaller districts and covers 36 square miles.

• **Mildred L. Hale**, a member of the San Diego, Calif. Board of Education for more than 25 years, announced her resignation. She was given the title of president emeritus, the first time the board has made such a designation. Mrs. Hale was first elected to the board in 1929 to serve a 4-year term. After a 4-year absence, she was re-elected in 1937 and held the office of board president for six one-year terms.

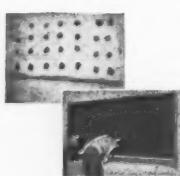
• **Donald G. Tewksbury**, professor of education at Teachers College, Columbia University, and a widely known specialist on comparative and international education, died after an illness of several months. Dr. Tewksbury's teaching reflected his belief that the scholarship of anthropology, sociology and social psychology could be used to increase understanding and awareness of other cultures by American students and by persons from abroad who study in this country.

SE-260  
**no other chalkboard with a surface like**

## SLATO • STEEL



and it's GUARANTEED for  
the life of the building ...



**EASY TO INSTALL**  
No special wall construction is necessary. Choice of two types of anodized aluminum trim and chalk trough.

SlatoSteel's hard, non-absorbing silicate surface wears indefinitely, never forming shine or "blind spots" even after hardest usage. Writing is always clear and distinct—easy to read, regardless of the type of chalk used. Holds magnetized teaching objects, letters, etc., for "see and move" learning.

SlatoSteel is coated with vitreous material fused on lightweight sheet steel on selected backing material. Easy to handle, moderately priced, SlatoSteel is a tough, flexible, resilient chalkboard that will never crack or chip. Never harmed by cleaning solutions or water.

write for full details and prices of SlatoSteel and other BC chalkboards and corkboards

serving the nation's  
schools through dealers

**BECKLEY/CARDY**  
1914 no. narragansett ave. • chicago 39, ill.

### Council Commemorates Michigan Court Case

KALAMAZOO, Mich.—The Student Council of Kalamazoo High School here will commemorate the "Kalamazoo Case" as part of a triple event celebration of the school's 100th anniversary this spring.

The 1874 State Supreme Court case, according to historian Ellwood Cubberly, provided the basis for the establishment of public high schools in the Mississippi Valley, and served as a precedent for the development of free public high schools in the entire United States.

In 1872, a group of Kalamazoo

**NUTLEY JUNIOR HIGH SCHOOL**

Nutley, New Jersey

Architects:

**MICKLEWRIGHT AND MOUNTFORD**

Trenton, New Jersey

Tile Contractor:

**BLOOMFIELD TILE & TERRAZZO CO.**

Bloomfield, New Jersey

Washroom walls 6" x 9" glazed. Floor:  
1" x 1" and 2" x 2" unglazed Dresden

Plate No. 1071

Shower room walls 6" x 9" glazed. Floor:  
Pattern 310, unglazed Orsan

Plate No. 1072

## **Are you getting full value for your school building dollars?**

As construction costs rise, *value* becomes increasingly important to every building owner and taxpayer. Little wonder, then, that more and more architects, in their quest to provide better low-cost schools for young America, are taking advantage of the many superior qualities of ceramic tile as a floor and wall finish, inside and out.

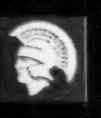
New setting methods, combined with the permanent beauty of fireproof, maintenance-free Romany-Spartan tile, keep costs in line,

yet provide unlimited latitude in design and selection of colors and finishes. Your architect will be glad to show you how Romany-Spartan genuine clay tile can help provide better, more attractive schools in your community. Consult him, or write for "The Talents of Tile", a new full color brochure of tile installations in school and college buildings. It's free. United States Ceramic Tile Company, Department SE-11, Canton 2, Ohio.

Corridor walls: 6" x 9" glazed Plate No. 1073

Kitchen walls: 6" x 9" glazed Plate No. 1074



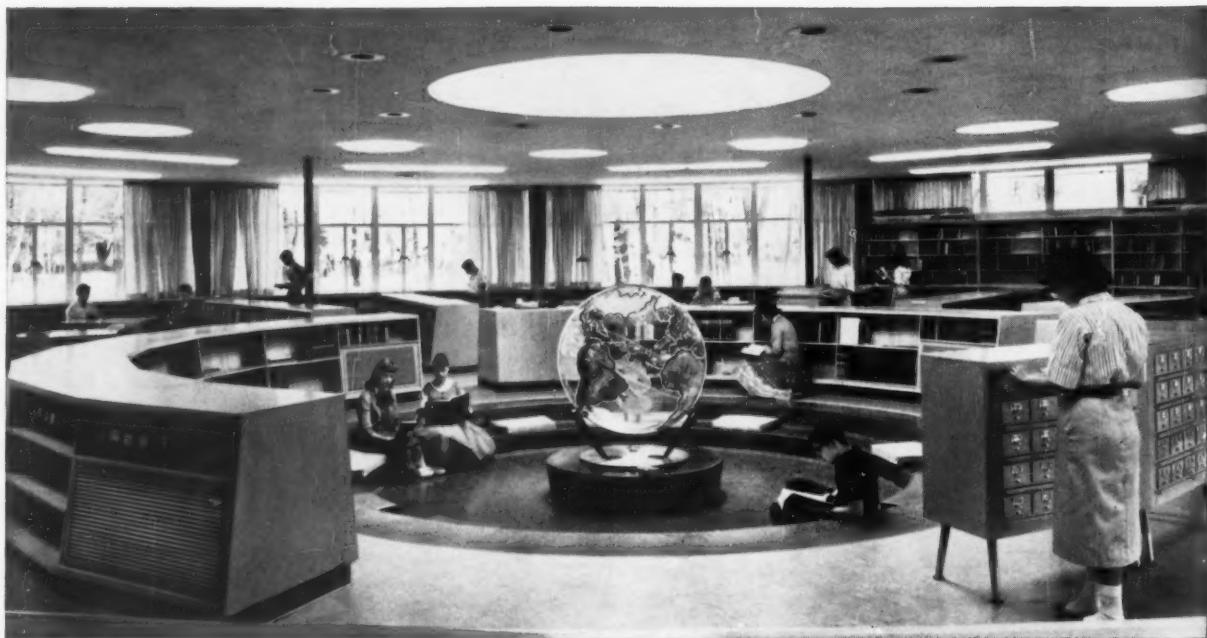
**ROMANY**  
  
**SPARTAN**

**GENUINE  
CLAY TILE**

**UNITED STATES CERAMIC TILE COMPANY  
THE SPARTA CERAMIC COMPANY**

MEMBERS: TILE COUNCIL OF AMERICA AND THE PRODUCERS' COUNCIL, INC.

# Heating and year-round air conditioning in

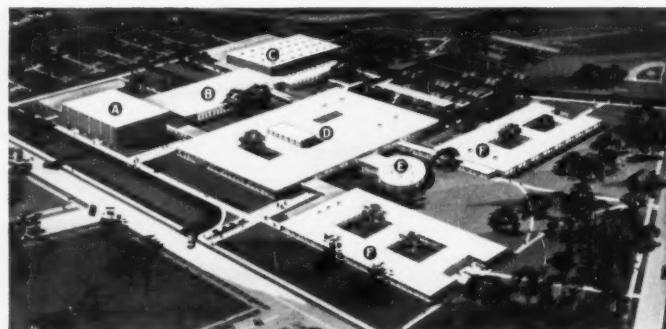


Air conditioned Library, round Building E, shown below.

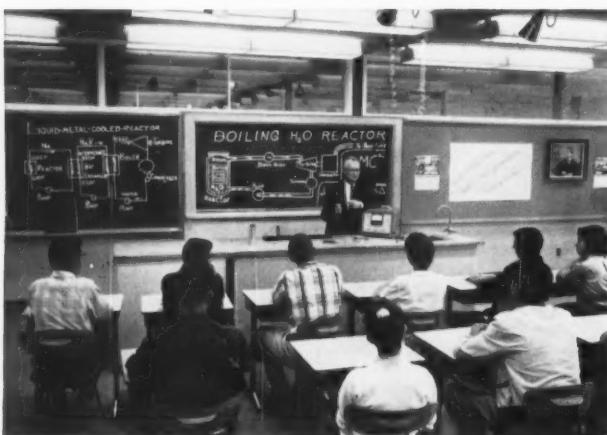
## Linton Comprehensive High School SCHENECTADY, N. Y.

Building A, is air conditioned Auditorium with choral, band and orchestra rooms; B) Cafeteria and multipurpose area; C) Gymnasiums, 3 large, 2 small; D) Core-Tech building with shops, also air conditioned administrative offices, Science, Arts, Family Living and Commerce departments; E) Air Conditioned Library; F) Academic classrooms.

Planned enrollment: 1800. Grades housed: 10th, 11th and 12th. Area 258,157 sq. ft. Construction Cost: \$4,328,130.



Schenectady (home of General Electric Co. a pioneer in nuclear power plants) is justly proud of LINTON'S excellent science department. (d-3)



# new LINTON HIGH SCHOOL regulated by

# POWERS

## Pneumatic system of Temperature Control

**"Plan a School that  
will still be functional  
in the year 2000"**

... that was the challenge faced by the educational, architectural and engineering planners of Schenectady's much discussed Linton High School. One of the important innovations here is the year-round air conditioning in the Core-Tech building D, shown on opposite page, also the Auditorium A, and the round Library building E.

**Proper thermal environment** is a valuable aid to effective teaching and learning. The flexibility of the Powers temperature control system installed at LINTON meets the demands of varied types of activity and occupancy in all seven buildings.

**Air Conditioning**, heating and ventilating systems are regulated from Powers Control Center located in the boiler room. See photo below at right.

**Day control** for the air conditioning systems during the cooling season consists of dew point control for the chilled water coils with individual reheat mixing damper control for each zone controlled from a zone thermostat.

**Night control** of the air conditioning systems provides reduced room temperatures during the summer "night" cycle when the buildings are unoccupied, with a minimum of refrigeration. This feature is designed to provide precooling and reduced start-up load.

A Powers **MASTROL System** controls the hot water heating system plus individual room control of convectors in critical areas.

In the Year 2000, the Powers temperature control system at Linton will likely still be functional. Twenty-five to 50 years of dependable operation with a minimum of maintenance is often reported by users of Powers control.

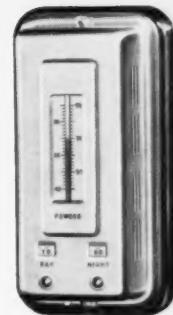
In Your New School make sure taxpayers get the biggest return on their investment in accurate temperature control. Ask your architect or engineer to include a time-proven Powers Quality System of Control.

Architects: **PERKINS & WILL**  
Chicago and White Plains, N. Y.

Associate Architects: **RYDER & LINK**  
Schenectady, N. Y.

Mechanical Engineer:  
**E. R. GRITSCHKE & ASSOC., INC.**  
Chicago, Ill.

Heating and Air Cond. Contractor:  
**TOUGHER HEATING & PLBG. CO.**  
Albany, N. Y.



190 Powers DAY-NIGHT Thermostats here help prevent OVERheating in occupied rooms and are adjustable for lower economical temperatures during unoccupied periods.

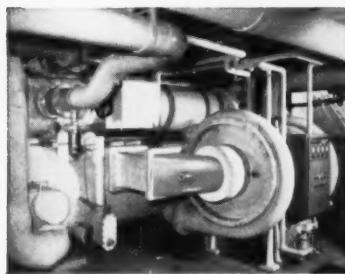


216 Powers PACKLESS Control Valves are used on convectors and unit ventilators. They're labor savers, banish packing maintenance and will prevent damage from water leakage.

### THE POWERS REGULATOR COMPANY

SKOKIE, ILL. | Offices in chief cities in U.S.A. and Canada

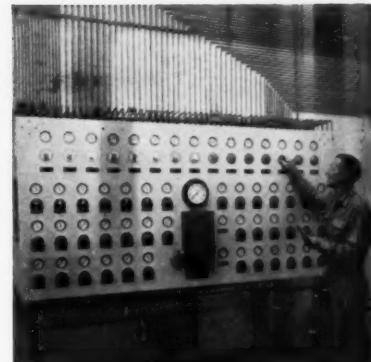
65 YEARS OF AUTOMATIC TEMPERATURE AND HUMIDITY CONTROL



Left: 235 Ton Centrifugal refrigeration compressor has ample capacity for building D and library, or auditorium alone when other two buildings are not in use.

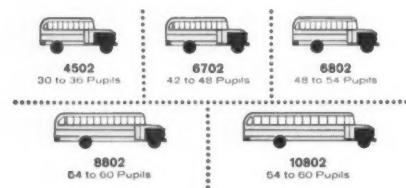


Right: Powers Control Center in boiler room. Center photo: one of 5 air conditioning systems and 9 of 68 Powers Sub-Master Thermostats controlling conditioned air to various spaces.





*No route's too rugged for*  
**CHEVROLET**  
**SCHOOL BUS**  
**CHASSIS!**



*Hills . . . washboard roads . . . traffic-choked city streets . . . you name the problem-spots along your school bus routes. This 1959 Chevrolet will take them in stride—with an eye to the budget in the bargain!*

Want a hint of Chevy's dependability and performance? Just match this latest in a line of traditionally robust chassis with National School Bus Standards. You'll find that Chevrolet meets *all* standards—and far outstrips minimums in such vital areas as axle capacity, power-to-weight ratio, electrical capacity and grade-climbing ability.

As for the price tag attached to this kind of reliability—well, your nearby Chevrolet dealer will be happy to demonstrate Chevy's knack for stretching budgets, in both first cost and operating cost. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

BEST YET  
OF THE  
BEST SELLERS!



Visit the Chevrolet exhibit at The American Association of School Administrators Convention, Feb. 14-18 at Atlantic City.

## INTRODUCING

# School-quip

BY **YARD-MAN**

LIFTING LID DESK  
MODEL 905

Plastic desk space,  
friction hinged.  
18" x 24" top. 11  
heights from 20"  
thru 30".



School-quip furniture is eminently suited to accommodate the seating requirements in the schools of today and tomorrow. School-quip furniture is produced by a corporation with 25 years experience in the manufacture of quality products. Each chair and desk in this complete line is correctly styled and ruggedly built. Best of all, School-quip furniture will fit perfectly into the budget of any school system.

We are certain that experienced school administrators and architects will specify School-quip furniture after they have all the facts. That is why we ask you to write us for complete information or talk with your local School-quip distributor.



The exclusive School-quip leg design provides extra stability, improved balance and positive wall protection. In addition, students enjoy correct, comfortable posture support.

SAFETY CHAIR  
MODEL 900

Contour shaped for correct posture. Eight seat heights from 11" thru 18".



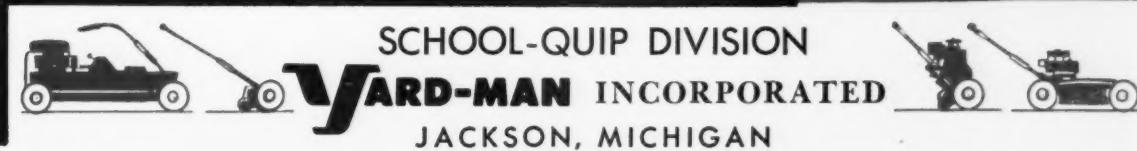
STUDY DESK — MODEL 904  
18" x 24" plastic top. 11  
heights from 20" thru 40".

## TABLET ARM CHAIR — MODEL 901

Large plastic top work space  
11 1/4" x 24". Shipped with  
book shelf. Seat heights,  
17" or 18".

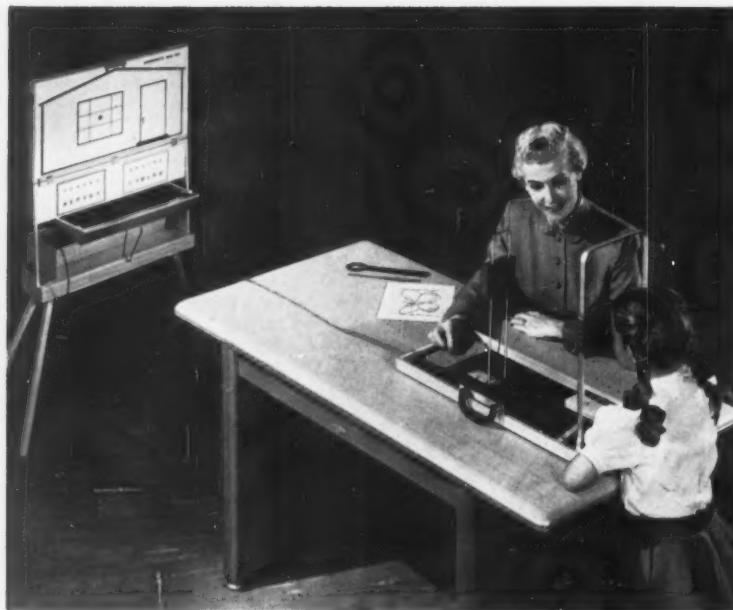


OPEN FRONT DESK  
MODEL 903  
18" x 24" roomy top. 11  
heights from 20" thru 40".



SCHOOL-QUIP DIVISION

**YARD-MAN** INCORPORATED  
JACKSON, MICHIGAN



## How to find the 1 in 5 who needs eye care

**AO School Vision Screening Test**—One out of five school children need professional eye care. The AO School Vision Screening Test is the best way to determine who they are. It presents the basic Massachusetts Vision Test elements fast and efficiently at the standard 20 feet

and 16 inches. By simple "pass-fail" tests you can readily determine which children should be referred to an eye specialist for possible vision care. Entire unit folds into compact carrying case... can service any number of schools.

**AO H-R-R Color Vision Test**—More comprehensive than any other single test available. A simple, reliable, yet inexpensive method for detecting, classifying and estimating the degree of Red-Green and/or Blue-Yellow color vision deficiencies. The AO H-R-R Color Vision Test is approved by the Inter-Society Color Council. For most people testing requires but a few seconds... but can save years of frustration when conducted early enough to guide vocational endeavor.



**AO Projection Magnifier**—low-cost reading aid offers a new world of learning to children with impaired vision. Now, many can attend regular classes with their more fortunate classmates. The AO Projection Magnifier is portable... just plug in and switch on. Place reading material—standard text books, magazines or newspapers on free-moving platform and read direct from 4½" x 12" illuminated screen. Two models available—one enlarges 3 times; the other, 5 times.



**American Optical COMPANY**  
INSTRUMENT DIVISION, BUFFALO 15, NEW YORK

Dept. N71—Please send full information on:

- AO Projection Magnifier
- AO School Vision Screening Test
- AO H-R-R Color Vision Test

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

## SPOTLIGHT

citizens, seeking to enjoin collection of taxes for maintenance of the high school department of the Union School, brought a suit to the Circuit Court. The ruling which resulted from this case affirmed the right of school boards to use tax monies for the support of public high schools.

The case was then appealed to the Michigan Supreme Court, where it was decided that "nowhere in the Constitution or laws of the states are primary school districts restricted in the branches of knowledge which their officers may cause to be taught or grades of instruction to be given, if voters consent in regular form to bear the expenses and raise the taxes."

### Conner Is President-Elect



WASHINGTON, D. C.—Forrest E. Conner, superintendent of schools in St. Paul, Minn. was chosen new president-elect of the American Association of School Administrators in balloting by 7,000 association members.

Dr. Conner will head the national professional organization of city, county, and state school superintendents for one year starting March 15, 1960, after completing his term as president-elect.

Martin Essex, superintendent of schools in Akron, Ohio and present president-elect, will succeed to the presidency this coming March 15.

*cynics were skeptical but school officials are proving it otherwise . . . .*

## Purchasing of school furniture is definitely simplified by SCHOOLCO's three complete lines

- The all new, completely Posturized® "600" Series—fiberglass and tubular steel
- The median "500" Series—solid plastic and tubular steel
- Plus the basic "400" Series—plywood and tubular steel

You choose units from one price series or mix and match from all three series, depending on your budget requirements. Each series is of top value in its class.

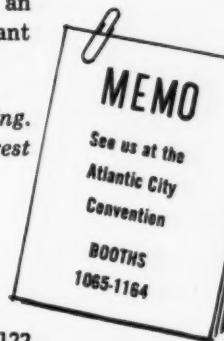
This gives you utmost flexibility in buying classroom furniture . . . assures you most value for your budget . . . helps you overcome future problems in replacements or additions.

Furthermore, your orders are delivered as scheduled . . . an important point to consider . . . thanks to SCHOOLCO's giant production facilities in Bellwood and Chicago.

*See what you can gain with SCHOOLCO classroom seating. Write now for complete details and name of your nearest SCHOOLCO dealer.*

### SCHOOLCO, INC.

Div. of Configured Tube Products Company  
2401 Grant Avenue • Bellwood, Illinois • Linden 4-3122



Selections from SCHOOLCO'S Posturized® lines



No. 610



No. 666



No. 510



No. 520



No. 580



*It's Posturized®*



No. 500

## PLAYTIME BLEACHERS



**Cost Less  
because they  
Last Longer**

There's only one practical way to measure the cost of most bleacher seating. Determine the Fixed Cost of Installation—then add to it the estimated cost of Maintenance and Repairs during the life of the seating.

With all figures compiled, PLAYTIME seating can be your only logical choice because with PLAYTIME costly maintenance is a thing of the past. By means of a HOT-DIP GALVANIZING process, after fabrication, all steel members receive a thick coating of rust resistive zinc. This eliminates the expense of scraping and painting that makes ownership of other seating a costly liability.

So, if you are seeking bids on either permanent or portable stands, be sure to investigate PLAYTIME . . . "It Costs Less Because It Lasts Longer!"



## SPOTLIGHT

### AASA Emphasizes the Arts In its Convention Program

ATLANTIC CITY, N. J.—The arts will star when 15,000 school administrators get together here for their 1959 annual meeting.

For the first time, the AASA convention program will give major emphasis to music, fine art, drama, literature, the dance, arts and crafts and architecture. The ten general sessions will feature individual artists and performing groups, and authorities on various branches of the arts.

A prime event at the convention will be a vote on a proposal that all members of the Association be required to successfully complete two years of graduate study in university programs designed to prepare school administrators.

The proposal is an attempt to provide a way in which the professional organization can help support high standards for its members.

### Cincinnati Public Schools Revise Dental Program

CINCINNATI—A change in emphasis in the schools' dental health program occurred with the appointment of a new coordinator of dental services for this city's Board of Education.

Naham C. Cons has eliminated the examination phase of the program, since it is known that 80 to 95 percent of school children are in need of dental care. Instead, all youngsters are referred to a family dentist and are given notes to be filled out.

The system will free dental hygienists to follow up cases of negligence. Children unable to afford care will be referred to school dental clinics. Since it is estimated that the potential clinic load here is too great for existing dental clinics to handle, the program will be limited to primary grades for the time being.

Hygienists will take care of all clerical and follow-up work. Teachers are urged to cooperate with hygienists during their visits to the classrooms.

## AJUSTRITE

<sup>®</sup>  
SPLIT  
SECOND  
ADJUSTMENT... to any Height Desired

No wheels to turn, no bolts, screws or nuts to loosen and adjust. Just lift the seat to desired height. Seat holds securely at point where uplift stops.

for CLASSROOM — LABORATORY — VOCATIONAL



10 YEAR GUARANTEE



TSC-1520, a posture chair with seat adjustment of 16" to 21", backrest horizontal and vertical adjustment of 5". Ideal for teaching and practicing posture in typing and other business classes. Science classrooms and laboratories use this type to advantage. Also comes with higher adjustment range up to 36". Reasonably priced.



30 DAY FREE TRIAL



Model  
TSC-1520

32 MODELS IN THE AJUSTRITE LINE

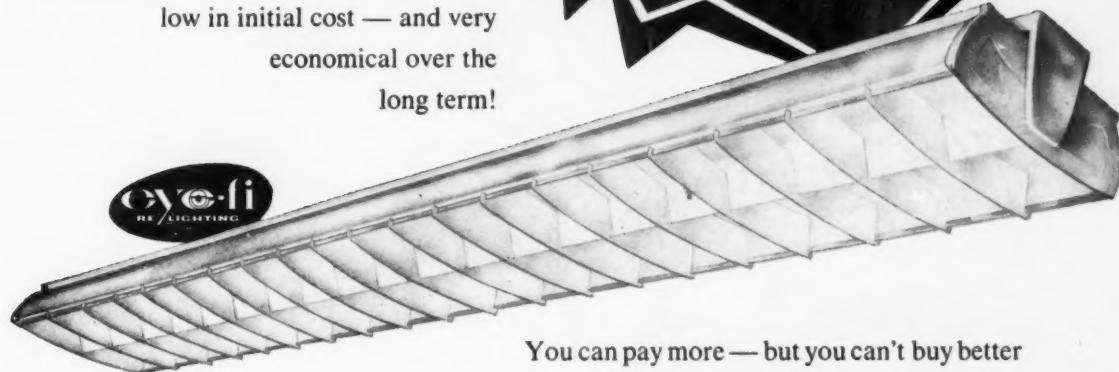
AJUSTO EQUIPMENT CO.  
515 Conneaut St. Bowling Green, Ohio



Model  
S-1827

*"Okay,  
so it will last  
a lifetime...  
but HOW MUCH  
DOES IT COST?"*

For all its extra quality and extra features, the popular Smithcraft FEDERAL is surprisingly low in initial cost — and very economical over the long term!



# Smithcraft FEDERAL

America's finest fluorescent lighting

**Smithcraft**  
LIGHTING  
CHELSEA 50, MASSACHUSETTS

You can pay more — but you can't buy better school lighting! For proof, simply add *all* costs of the Smithcraft FEDERAL — initial cost, maintenance cost, depreciation — and compare! You'll discover Smithcraft's FEDERAL is the most economical long-term investment in school lighting you can make.

TEST YOUR OWN LIGHTING! Free!  
Brand new exclusive Smithcraft Lightester  
tells you — in minutes — how your lighting  
"measures up". Today's most valuable  
guide to re-lighting. Send for your  
Smithcraft Lightester today.

*Smithcraft Lighting Chelsea 50, Mass.*

Please send me the Smithcraft LIGHTESTER

NAME \_\_\_\_\_

TITLE \_\_\_\_\_ SCHOOL \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_

SE 2



## SPOTLIGHT

## **School Costs Controversy Evokes Colorful Language**

**NEW YORK**—The controversy over school costs in New York City has evoked some of the most colorful and some of the most interesting statements of the year. Controller Lawrence Gerosa was nothing if not articulate in his attacks on the "waste and extravagance" in school building in the past eight years.

The Controller seems particularly fond of alliteration. In reiterating his scorn for "frills" in new school buildings, he stated, in two separate interviews, "What our city needs are good scholars not statutes and sculpture," and "I say again we need teachers and textbooks, not Tai Mahals."

Counter attacks against Gerosa sputtered at first, but made up for it in later innings. L. Bancel La Farge, president of the New York Chapter of the American Institute of Architects, defended the "frills," murals, sculpture and unconventional designs at a group interview.

"Do we want our schools to be mistaken for prisons or warehouses?" he demanded. "Children from drab homes should find in school a first peep of a richer life. Mr. Gerosa, a politician, labors under the delusion that an ugly school can be built cheaply—that an attractive one is an extravagant liability."

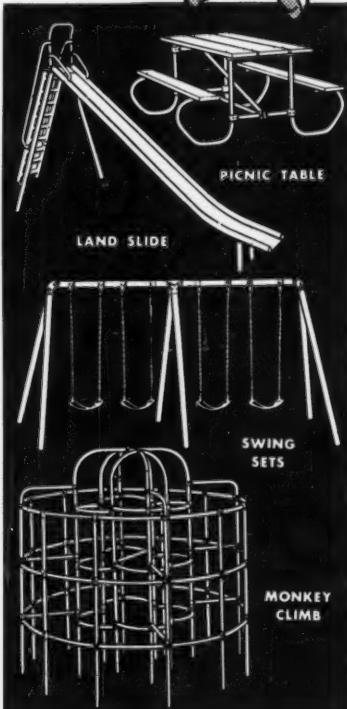
Louis Hollander, leader of 85,000 Amalgamated Clothing Workers in the metropolitan area, got more personal in his attacks on the Controller. Mr. Hollander contrasted the Controller's insistence on economy in educational construction with his refusal last February to go along with Mayor Wagner's call for smaller official cars for city use.

Mr. Gerosa ordered a \$6,392 Cadillac limousine, the largest of the Cadillac line. "Mr. Gerosa insisted on the most expensive car because he said 'I want a car befitting my station,'" Mr. Hollander declared.

"Don't children of the city have a right to schools befitting their

Play Safe with  
**RECREATION**

**Economy, safety, and durability are the main-stays of the Recreation line of playground equipment. Get the line that insures maximum strength and durability by the use of certified malleable castings and fittings . . . while assuring maximum economy by hot galvanizing of exposed metal parts and use of cadmium plated bolts. Get RECREATION and be sure!**



**PICNIC TABLES** that can "take it!" Top grade Douglas Fir planking is finished with top quality green enamel.

**THE LAND SLIDE** will withstand hard play for years because of its heavy-duty chute, structural steel supports, guard rails and ladders.

**SWING SETS** feature oilless bearings, flexible rubber seat belts for safety, and safely-adequate swing separation.

**THE MONKEY CLIMB** is designed to accommodate 25 children safely. Hot galvanized pipe has smoothed edges and will fit the smallest grip.

Write for your free copy of the Recreation catalog which shows the complete line of playground, swimming pool and basketball equipment.

## RECREATION

**RECREATION EQUIPMENT CORP.**



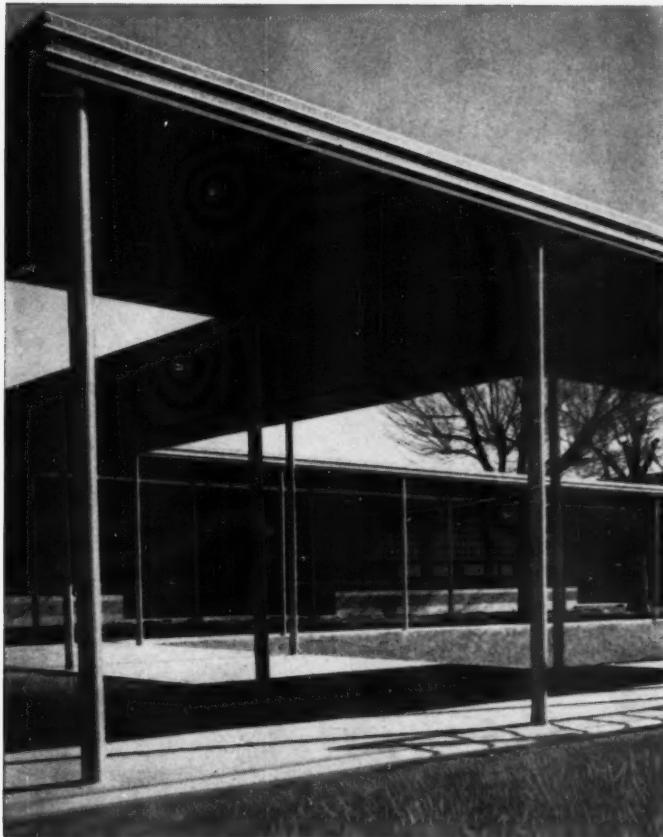
If money is no object, school planners may choose these thick, heavy concrete walkway covers. But, you have to be willing and able to spend as much as **\$12.50 per sq. ft.**



Even with a low first cost, this wood frame cover is probably the most expensive of any type walkway cover made. The life is short and maintenance is high.

**Planning new school construction?**

## What's the best buy in walkway covers?



The trend to one-story, campus-style school design created a critical need for an economic walkway cover engineered to last as long as your buildings. Now, for the first time, architects can specify a prefabricated steel walkway cover that costs no more—and often less—than ordinary wood construction. Childers Walkway Covers of average size will usually cost less than **\$2.00 per sq. ft. installed.**

With the increased demand for school facilities, and growing reluctance to increase taxes, school executives are faced with the problem of keeping the quality of construction high, while holding down costs.

Childers Walkway Covers offer all the advantages of expensive, custom-designed covers, yet cost as little as ordinary wood covers.

**Secret of the saving:** Childers Walkway Covers are mass-produced in standard lengths and widths, so they can be sold at mass-production prices. Regular workmen can erect in minimum time. The prefabricated units are joined easily and harmoniously.

The specially engineered design of the rugged framing and deep-ribbed roof sheets gives Childers Walkway Covers extra rigidity. Framing and roof sheets are cold-formed of heavy gauge galvanized steel for maximum strength.

Only minimum maintenance is needed, because Childers Walkway Covers are made of factory-Bonderized Armco Paintgrip-Zincgrip steel meeting ASTM Specification A-93-55T. The galvanized coating is guaranteed 1.25 oz. per sq. ft. minimum. Finish is either natural galvanized, or baked-on alkyd enamel.

For a free folder with complete information that you and your architect will find useful in estimating the cost of Childers Walkway Covers, mail the coupon below:

Childers Manufacturing Co.  
P. O. Box 7467, Dept. SE-4  
Houston 8, Texas

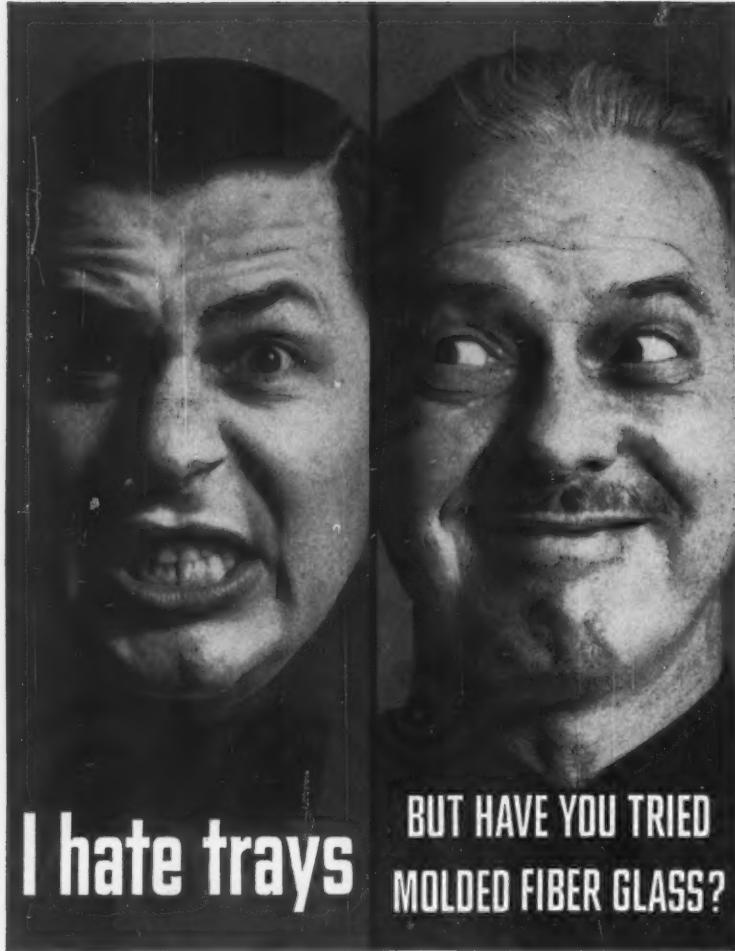
At no cost or obligation to me, please send full information on how Childers Walkway Covers will help us hold down school construction costs.

Name \_\_\_\_\_

Title \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

**SPOTLIGHT**

# I hate trays

**BUT HAVE YOU TRIED  
MOLDED FIBER GLASS?**

Trays . . . nothing but troubles! You buy a new bunch and right away somebody drops 'em, and they crack or chip. Then you put 'em through the washer and each time they come out duller and rougher and harder to clean. And that clatter! . . . jangles my nerves! Brother, I hate trays!

This stuff is great! Since we changed to molded fiber glass trays, I've never seen a dent, splinter or crack. Sure, we drop them. But they have wire reinforced edges so they *can't* crack. One hot water dunking cleans them smooth . . . and hallelujah, they're quiet! Order them!

**Maintenance-free reinforced plastic, colorful  
TOTELINE TRAYS of MOLDED FIBER GLASS**

- Lightweight • Noise-free
- Wire reinforced—last indefinitely
- Clean easily
- Won't bend, dent or splinter
- Ever-smooth surface
- In ever-fresh colors

For prices—see your  
restaurant equipment or  
school supply dealer



**TOTELINE**

**MOLDED FIBER GLASS TRAY COMPANY**

LINESVILLE, PA. Offices in principal cities and Canada

WORLD'S LARGEST PRODUCER OF REINFORCED PLASTIC TRAYS AND TOTE BOXES

worth as our future citizens? Aren't Cadillac-type schools the best answer to ending juvenile delinquency . . . ?"

At a public hearing at City Hall, some of the most heated, if childish, exchanges of the entire controversy took place. When Charles J. Bensley, chairman of the Board of Education's Buildings and Sites Committee, suggested that the Controller perhaps did not have the full facts, Mr. Gerosa shouted: "I'll prove plenty."

As the discussion grew more heated, Mr. Bensley called out, "I don't want to be a political football." This seemed too much for the Controller. Turning to Mayor Wagner, Mr. Gerosa said: "If this man continues abusing me I am going to step out . . ."

Mr. Gerosa wanted to pick up his football and go home.

**Little Rock School Board  
Now Split Half and Half**

LITTLE ROCK, Ark.—Three moderates and three conservatives now make up the Little Rock School Board. The new board members were chosen in a recent city ballot to decide on successors to the old board, members of which announced their resignations in November.

One of the moderates elected, Ted L. Lamb, attacked Gov. Orval E. Faubus in a speech made immediately after announcement of the election results.

"Our victory is the beginning of the end for Orval Faubus," Mr. Lamb declared. "This is the first crack in the Faubus edifice and I predict that his entire political empire—founded as it is upon deceit, misrepresentation and bigotry—will soon be crumbling at his feet."

The election was urged by the retiring school board. In a statement read at an open meeting by Wayne Upton, one of the retiring members, the board said that its position was one of "utter hopelessness, helplessness and frustration."

The newly-elected board members all call themselves segregationists.

## Premier Showing the look of the future



At Atlantic City Whelan's of Topeka will unveil a complete line of school equipment . . . entirely new in concept and functional design. . . . Featuring the Modern Angle\* Science Table . . . the most significant improvement in science equipment in a decade.



THE  
MODERN  
ANGLE\*  
SCIENCE  
TABLE

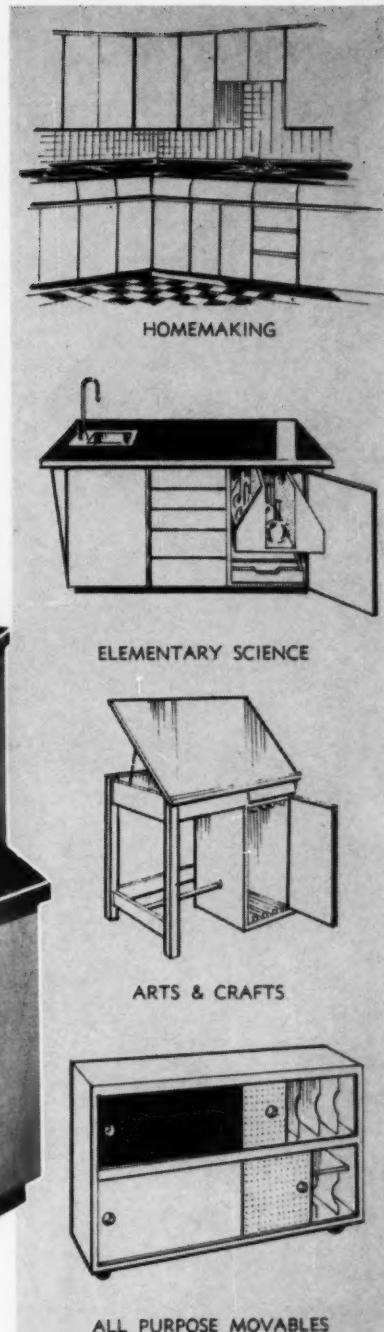


**WHELAN'S**  
SCHOOL EQUIPMENT DIVISION  
715 East Fourth Street

Topeka, Kansas

\*Design Patent Pending

February, 1959



BOOTH S  
1163-1165  
1264-1265-1266  
1366  
LOWER FLOOR  
Atlantic City — Feb. 14-18

# **SANI-MIST for 100% protection against ATHLETE'S FOOT**

See us at  
Booth #C43 -  
AASA Show -  
Feb. 14-18

All over the country industrial plants, schools, clubs and hotels use SANI-MIST in their shower rooms to fight Athlete's Foot the *modern* way. And the reason? SANI-MIST is cool — clean — personal as your toothbrush. It's a pleasure to use! It makes other methods of protection against Athlete's Foot old-fashioned.

And there's no fuss — no daily testing and changing of solution — in fact there's no solution to mix. It's the easy, modern, trouble-free way to fight Athlete's Foot. Write for FREE sample and complete details.

**SANI-MIST INC.** Dept. SE  
1724 Chestnut Street / Philadelphia 3, Pa.



## **SE-274 PREMIER FIRST— BOLD NEW VACUUM CLEANER DESIGN**

- New Patented Filter—  
No. 2814357
- 80% more filter area
- 50% more power
- non-clog design
- 15 gal. *usable* tank capacity

For FREE information on the P-1000, the versatile Model 150 Blower and other Premier vacuums and floor machines, fill in and mail this request form. Do it today!

### **THE PREMIER COMPANY**

Dept. 206, 755 Woodlawn Ave., St. Paul 16, Minn. • In Canada: 35 Gerrard St. West, Toronto 2  
Attention: Gordon L. Bowman, V.P. & Sales Mgr.

Please rush me FREE details on Premier Industrial Vacuums. Thank you.

NAME \_\_\_\_\_  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_

## **SPOTLIGHT**

### **Judge Dismisses Charges Against 2 Negro Mothers**

NEW YORK—A Children's Court Justice here has ruled that two Negro mothers who have kept their children out of school since December 3 are not violating a state law.

The parents are justified in boycotting the schools attended by their children because they offer "inferior educational opportunities," the judge said. The Board of Education brought the case to court, charging the parents were violating the compulsory school attendance law.

In her decision, Justice Justine Wise Polier said, "The Board of Education contends that one arm of the state—this court—must blindly enforce the unconstitutional denial of constitutional rights by another arm of this state—the Board of Education."

## **CONFERENCE CALENDAR**

### **FEBRUARY**

7-11, Natl. Assn. Secondary School Principals, NEA. At Philadelphia.  
7-13, Boy Scout Week.  
12-14, Amer. Assn. of Colleges for Teacher Education. At Chicago. Ex. Sec: Edward C. Pomeroy, 11 Elm St., Oneonta, N. Y.  
14-19, Amer. Assn. of School Administrators, NEA. At Atlantic City.  
16-18, Amer. Educational Research Assn., NEA. At Atlantic City. Ex. Sec: Frank W. Hubbard.  
28-Mar. 4, Dept. of Elementary School Principals, NEA. At Los Angeles.

### **MARCH**

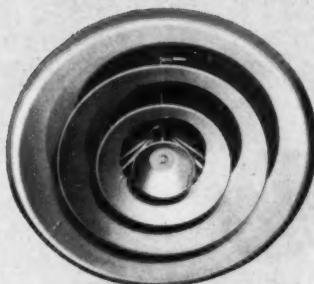
1-4, Assn. for Higher Education, NEA. At Chicago. Ex. Sec: G. Kerry Smith.  
18-22, Natl. Assn. of Women Deans & Counselors, NEA. At Cleveland.  
23-26, American Personnel & Guidance Assn. At Cleveland. Ex. Sec: Arthur A. Hitchcock, 1534 "O" St. NW, Washington 5, D. C. Theme: Community Planning for Human Development.  
29-Apr. 2, American Assn. for Health, Physical Education & Recreation, NEA. At Portland, Ore. Ex. Sec: Carl A. Troeste, Jr. Theme: Fitness in the Space Age.  
29-Apr. 3, Assn. for Childhood Education International. At St. Louis. Ex.

# ANEMOSTAT®

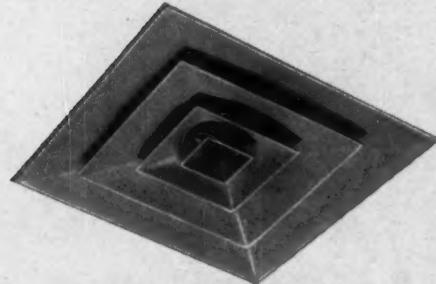
*is a registered trademark for a wide range of air diffusion equipment*

Today Anemostat offers an impressive variety of air diffusion equipment to meet every architectural and engineering requirement. ANEMOSTAT® is a registered trademark. It is your guarantee that every unit bearing this name is of highest quality . . . backed by the most experienced engineering, research and testing laboratories in the industry.

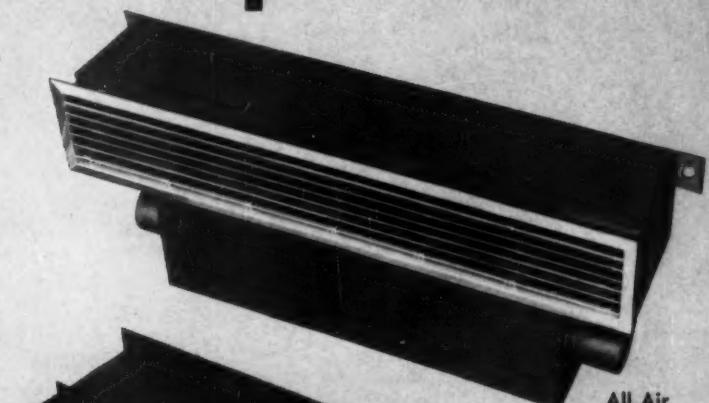
When Anemostat Air Diffusers are in sight the system is right. This was true yesterday, is true today and will be true tomorrow.



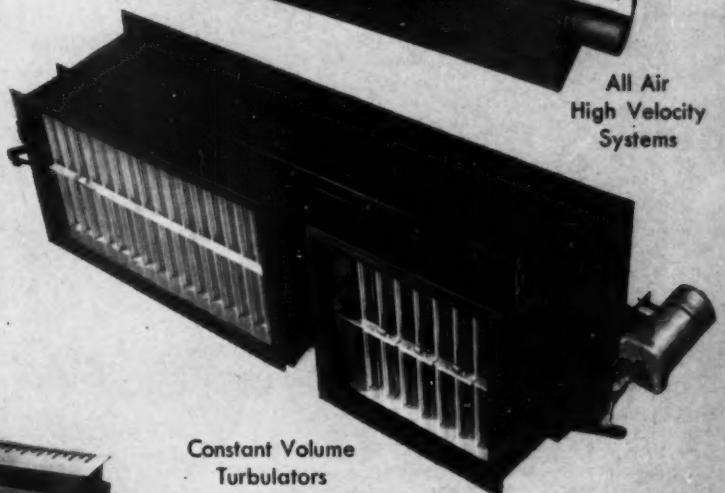
Conventional Air Diffusers



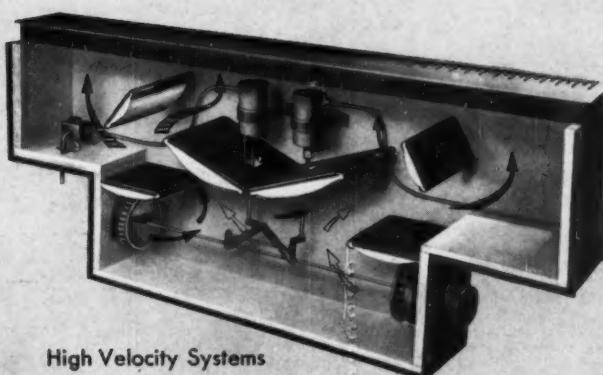
100% Induction Air Diffusers



All Air  
High Velocity  
Systems



Constant Volume  
Turbulators



High Velocity Systems  
for Schools

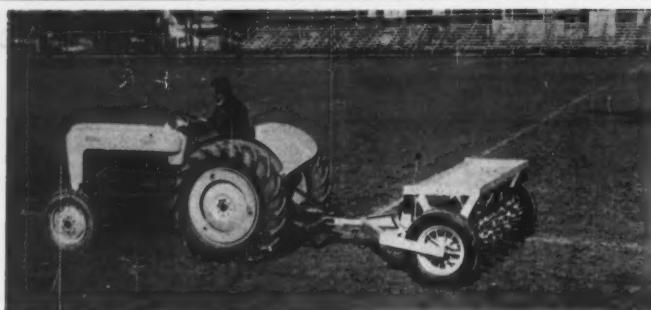
## ANEMOSTAT®

ANEMOSTAT CORPORATION OF AMERICA

10 EAST 39TH STREET, NEW YORK 16, N.Y.

Representatives in principal cities

"No Air Conditioning System Is Better Than Its Air Distribution"



## The Way to a Safer Field

Plan NOW to aerify your athletic fields so that your teams will be playing on deep-rooted, resilient turf which will provide firm footing yet cushion falls to prevent injuries.

Porous, ventilated soil is fundamental to good turf growth. With a West Point Aerifier\* you get *maximum cultivation* with a *minimum of surface disturbance*.

**FREE**—24 page booklet: "Improving Athletic Field Turfgrass." Write to West Point Products Corporation, Box 90, West Point, Penna.

\*Reg. U.S. Pat. Off.



## Aerification is Basic to Turfgrass Maintenance

SE-277

The FIRST Recessed Hand Dryer that...

Really dries Hands!

**WORLD electric Hand Dryer**

Here at last is a modern, streamlined electric hand dryer that every architect will appreciate and every user will enjoy! Only extends 3 1/2" into the room to save the maximum in valuable floor space . . . yet there is no sacrifice of efficiency. Operates with the same proven superiority as surface-mounted WORLD Electric Hand Dryers. Cuts washroom maintenance costs to the bone. For details, write for full information on WORLD Model 3-A.

Premier Showing at **BOOTH 1401**

AASA show—Feb. 14 to 19, Atlantic City

Especially Designed for the School Field!

**WORLD DRYER CORP., 616 W. Adams Street, Chicago 6, Illinois**

## SPOTLIGHT

Sec: Frances Hamilton, 1200 15th St. NW, Washington 5, D. C. Theme: Fundamentals for Today's Children.

31—Apr. 4, National Science Teachers Assn., NEA. At Atlantic City. Ex. Sec: Robert H. Carleton, NSTA. Theme: Science Education for America.

## APRIL

1—4, Natl. Council for Teachers of Mathematics, NEA. At Dallas. Ex. Sec: M. H. Ahrendt.

7—11, Council for Exceptional Children, NEA. At Atlantic City. Ex. Sec: Harley Z. Wooden.

13—16, Dept. of Audio-Visual Instruction, NEA. At Seattle. Ex. Sec: Ann L. Hyer.

## MAY

1—2, International Reading Assn. At Toronto, Can. Ex. Sec: James M. McCallister, 5835 Kimbark Ave., Chicago 37, Ill. Theme: Changing Society.

7—10, North Central Div., Music Educators Natl. Conference, NEA. At Chicago.

17—20, Natl. Congress of Parents & Teachers. At Denver. Ex. Sec: Mary A. Ferre, 700 N. Rush St., Chicago 11, Ill. Theme: Strengthening the Home, Source of our Nation's Greatness.

## JUNE

21—26, American Assn. of University Women. At Kansas City, Mo. Ex. Sec: Dr. Helen D. Bragdon, 1634 Eye St. NW, Washington 6, D. C. Theme: The College Woman—Individual and Citizen.

21—27, American Library Assn. At Washington, D. C. Ex. Sec: David H. Clift, 50 E. Huron St., Chicago 11, Ill.

23—26, Natl. Commission on Teacher Education and Professional Standards, NEA. University of Kansas, Lawrence. Ex. Sec: T. M. Stinnett. Theme: Teacher Education.

## JULY

6—10, Natl. School Public Relations Assn., NEA. At Washington, D. C. Ex. Sec: Roy K. Wilson.

17—19, Natl. Assn. of Educational Secretaries, NEA. At St. Louis. Ex. Sec: Mrs. Angie Holms, Alhambra High School, 308 W. Main St., Alhambra, Cal.

25—28, Natl. Audio-Visual Assn. At Chicago. Ex. V. P.: Don White, Box 337, Fairfax, Va.

## ASPHALT • VINYL • RUBBER • LINOLEUM

Manufacturers of Resilient Flooring  
Recommend Top-Grade Water Emulsion Wax for

"... greatly improved appearance . . . co-efficient of friction not significantly changed . . . soiling tendency substantially decreased . . . soil removal greatly facilitated . . . pronounced protection against marring of the surface."



## Recommended where it means the Most!

In independent laboratory tests, and in actual usage, Hillyard SUPER HIL-BRITE® meets or exceeds these requirements on every point. Approved by Asphalt Flooring Mfrs., Rubber Flooring Mfrs. Assn., and U/L listed as to slip resistance.



For resilient floors you will be proud of, choose the one highest grade water emulsion finish of them all. On every Super Hil-Brite label you'll find—

### "WAX CONTENT—100% PURE NO. 1 PRIME YELLOW CARNAUBA"

This statement on the label guarantees SUPER HIL-BRITE to be the finest wax product available.

Importers recognize Hillyard as the largest importer of prime grades of Carnauba for commercial floor treatments. Only the very top grade is used in the manufacture of SUPER HIL-BRITE. Yet, because it wears 3 to 4 times as long as ordinary wax and is

Ask the Hillyard "Maintainer®" for expert advice on treatment and maintenance of your floors. He can suggest modern, streamlined work methods that mean real savings in your maintenance budget. He's "On Your Staff, Not Your Payroll!"



ST. JOSEPH, MO.  
San Jose, Calif.  
Passaic, N. J.

Branches and Warehouses in Principal Cities

easier to maintain, SUPER HIL-BRITE is actually less expensive.

Natural or synthetic, there is no substitute for genuine Carnauba.

### MAIL THIS COUPON TODAY

HILLYARD	St. Joseph, Mo.	Dept.	E-5
<input type="checkbox"/> Please send me free literature about Hillyard SUPER HIL-BRITE finish for resilient and other floors.			
<input type="checkbox"/> Please have the Hillyard Maintainer demonstrate SUPER HIL-BRITE on my floors. No charge or obligation!			

Name.....

Firm or Institution.....

Address.....

City..... State.....

## PROFESSIONAL LIBRARY

recent publications for the administrator's bookshelf

### ADMINISTRATIVE THEORY IN EDUCATION

Edited by Andrew W. Halpin. Midwest Administration Center, University of Chicago. 1958. 188 pp. \$3. When asked to pass judgment on a certain book, Abraham Lincoln once said, "People who like this sort of thing will find this the sort of thing they like." Lincoln's statement is probably the most noncommittal book review on record, but it could be used appropriately in reference to this volume.

The practical man may not like it because it does not provide how-to-do-it prescriptions. Others will find certain chapters unduly obscure. Serious students of administration, however, including practicing administrators, will find much of this book to be stimulating and useful.

Written by several of the leading theorists in the business, it dispels some of the confusion concerning the meaning and role of theory, and presents brief sketches of several different theories of administration. In a field that has not been conspicuous for its theoretical advances, this book should provide a wholesome new influence.

—KENNETH E. MCINTYRE  
Director, School Principals Project  
University of Texas, Austin

### SOCIAL STUDIES IN THE ELEMENTARY SCHOOL

Part II of the National Society for the Study of Education Yearbook. Chicago: University of Chicago Press. 1957. 314 pp. \$4.

This book was written by people who understand the problems of teaching. You'll want to follow Heffernan's thinking on unit teaching, Burrow's discussion of integrating language arts with social studies and Ojemann's concept of identifying the

content of social studies with the emotional experiences of the learners. By all means read Preston's chapter on "Facing Realities"; it will instill a desire to find out the rest of what this book says.

This is a book to search through leisurely when you're on the trail of a new practice; it is a book to go to when you feel discouraged.

—MARY BEAUCHAMP  
Associate Professor of Education  
New York University

### AMERICA'S EDUCATIONAL NEEDS

Edited by Grant S. McClellan. New York: H. W. Wilson Company. 1958. 269 pp. \$2.00.

The "great debate" on American education continues with unabated fury. In his small volume Mr. McClellan has gathered articles, both mild and bombastic, from the pros and the cons and, appropriately, bound them up in a "fire-engine red" cover.

The book was prepared for the use of high school debate teams but should prove interesting to anyone who wants to hear the "other side" of this argument.

### TECHNIQUES OF SECONDARY SCHOOL TEACHING

By Ralph K. Watkins. New York: The Ronald Press. 1958. 385 pp. \$5. This book, a volume in the Douglass Series in Education, is a good reference source for prospective secondary school teachers and for those already in service who are interested in improving their teaching procedures.

The author discusses all phases of the teaching operation; the book is filled with interesting and down-to-earth examples and anecdotes.

While speaking always to the teacher and of his task as a promoter of learning, the book is careful to

keep in sight the real objective of teaching—a fundamental change in the behavior of the learner.

—WILLIAM A. FULLAGAR  
College of Education  
University of Rochester  
Rochester, New York

### TEACHER-PUPIL PLANNING FOR BETTER CLASSROOM LEARNING

By Louise Parrish and Yvonne Waskin. New York: Harper & Brothers. 1958. 160 pp. \$3.50.

This well written, readable book contains many practical ideas and suggestions which will help the classroom teacher to do a better job in teacher-pupil planning.

Authors Parrish and Waskin spell out the ABC's of this technique for making education more meaningful. In the style of a lesson plan they include the why, what and how of teacher-pupil planning, with heavy emphasis on the how. The book is spiced by many actual or hypothetical situations which often prove to be stumbling blocks to the beginning teacher.

The book will be most helpful to teachers or administrators in secondary schools where core or unified-studies programs are in operation. Core classes should be better conducted and more fruitful of results because of this book.

—LAWRENCE W. RHOADES  
Principal, Franklin School  
Summit, New Jersey

### Also noted . . .

#### JUVENILE DELINQUENCY

Edited by Joseph S. Roucek. New York: Philosophical Library, Inc. 1958. 370 pp. \$10.

A survey by 14 specialists of causes and corrective measures for juvenile delinquency. One chapter is devoted to the school as a factor.

# DON'T LOOK NOW

...because on February 14th we will unveil the most REVOLUTIONARY concept in school cabinets. New in engineered DESIGN, new in perfected QUALITY standards, new in dimensional VERSATILITY, new in MAINTENANCE-FREE lifetime finish... plus a singular achievement in PRICING that will merit the attention of every school administrator.



IT'S THE COMPLETELY NEW LINE OF

## NATIONAL CLASSROOM CABINETS

SEE IT AT THE A.A.S.A. SHOW  
BOOTH NOS. 1342 AND 1344

ATLANTIC CITY, N.J., FEBRUARY 14 THRU 18

This is  
**NEVAMAR**

- a high pressure laminate surface
- designed for long life and lasting beauty
- resists cigarette burns
- withstands boiling water
- won't craze, crack or peel in normal use
- not affected by alcohol, fruit acids, ammonia, ordinary ink . . . or lime
- EASY TO CLEAN



**NATIONAL**  
TOP  
NATIONAL STORE FIXTURE CO., INC.  
ODENTON, MD.

NEVAMAR conforms to  
NEMA Specifications

*National*

SCHOOL FURNITURE COMPANY

DIV. OF NATIONAL STORE FIXTURE CO., INC.

• O'DENTON, MARYLAND

**PAMPHLETS OF INTEREST****District Reorganization**

*Local Planning for Better School Districts*, by C. O. Fitzwater and Winston L. Roesch, is intended to help in the achievement of soundly organized local school districts by suggesting methods, sources of information, and aid in cooperative local planning. Pamphlet No. 121. Office of Education. 20 pp. 15¢.\*

*The Point of Beginning: The Local School District*, by the American Association of School Administrators Commission on School District Reorganization, is a preliminary progress report intended to be useful to school people and lay citizens who must provide better educational facilities and opportunities in their states and local communities. Published by the AASA. 15 pp. 50¢.†

**Recreation**

*Exploring*. Boy Scouts of America. National Council, New Brunswick, N. J. 1958 edition. 317 pp. \$1.25.

*Explorer—Parents and Leaders Guide Book*. Published by Boy Scouts of America. (Address above). 1958. 48 pp.

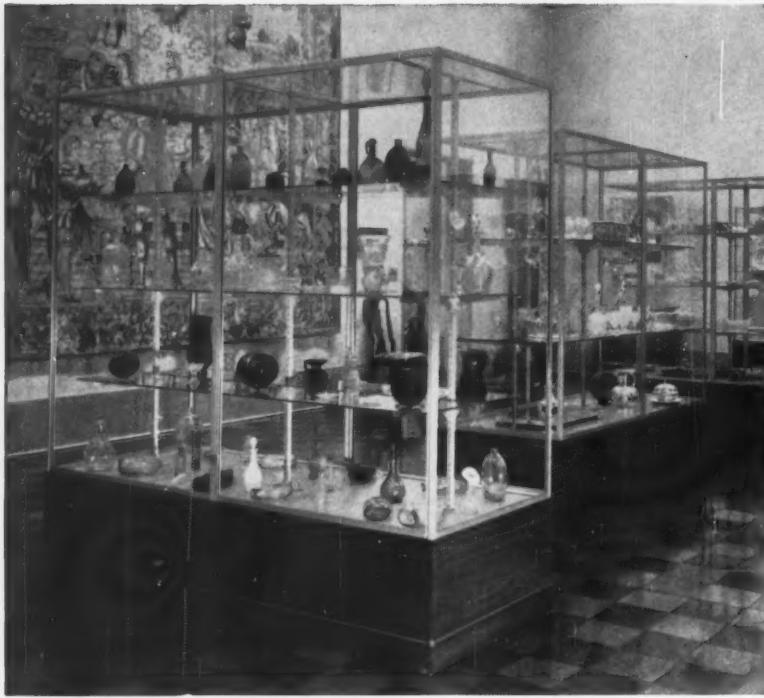
**Regional Studies**

*Pupil Personnel Practices in Texas Public Schools* is the first of a series of reports based on a survey by the committee of 700 Texas school superintendents concerning their local schools. Published by the Texas Committee Of Ten, P.O. Box 7721, University Station, Austin, Texas. 15-20 pp. 25¢ each.

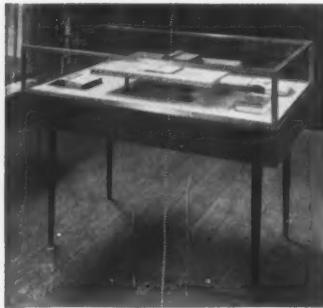
*Handbook for Massachusetts School Committees*, by Robert P. Bolan, was prepared to aid committee members in understanding their duties and to assist them in preparing a written statement of policy for their school system.

\* Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C.

† Available from the National Education Association, 1201 16th Street, N.W., Washington, D.C.



## THE **CASE** IS AN IMPORTANT PART OF THE EXHIBIT



The exceptionally high quality and structural superiorities of Michaels "Time-Tight" custom-built exhibit cases make them the first choice of exhibitors everywhere. Here are two examples of perfection in exhibition. These cases actually accentuate the beauty of exhibits. They are distinctive in appearance, visibility is unlimited, while exhibits are fully protected against handling and theft as well as the ingress of dust and vermin.

Incorporated in "Time-Tight" cases are such features as: Innerlocking frames (exclusive with Michaels); mitered intersections; no exposed screws (except where necessary for removal of hinged panels), and other worthwhile structural advantages.

"Time-Tight" custom-built cases are available in table, aisle, wall, corner, suspended and recessed styles. They are used extensively in schools, colleges, universities, libraries, science laboratories, and related types of display rooms.

Every school should have a copy of Michaels "Time-Tight" exhibit case catalog. Write for your copy today. No obligation.



*A Symbol of High Quality*

## —THE MICHAELS ART BRONZE COMPANY, INC.— P.O. BOX 668-SE, COVINGTON, KENTUCKY

OTHER MICHAELS PRODUCTS: Architectural Metal • Curtain Walls  
Reversible Windows • Bronze and Aluminum Plaques and Memorials • Parking Meters

Published by the Bureau of Government Research, University of Massachusetts, Amherst, Massachusetts. 53 pp.

#### School Plant

*Curriculum and the Elementary School Plant*, by Helen Heffernan and Charles Bursch, assembles and compares recent thinking involved in elementary school plant planning and construction with the intent of planning still better school buildings for the oncoming wave of enrollment. Published by the Association for Supervision and Curriculum Development. 71 pp. \$1.50.†

*Needed Expansion of Facilities for Higher Education—1958-70*, prepared by John D. Long and J. B. Black for the Office of Statistical Information and Research of the American Council on Education. Available from the American Council on Education, 1785 Massachusetts Avenue NW, Washington 6, D. C., 1958. 43 pp.

#### Teaching

*Using Committees in the Classroom*, by Louise E. Hock, is the first of a series of Rinehart Education Pamphlets and is concerned with the basic principles underlying the use of committee work, illustrated from the author's own experience in both school and college. Published by Rinehart and Co., Inc., 232 Madison Avenue, New York 16, New York. 55 pp. \$1.

*The Beginning Teacher: A Survey of New Teachers in the Public Schools, 1956-57*, by Ward S. Mason, is concerned with one of the major problems of our country today, that of recruiting and keeping enough qualified public school teachers. Circular No. 510. Office of Education. 56 pp. 40¢.\*

*Speech Correctionists: The Competencies They Need For the Work They Do*, by Romaine P. Mackie and Wendell Johnson, reports

† Available from the National Education Association, 1201 16th Street, N.W., Washington, D.C.

\* Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C.

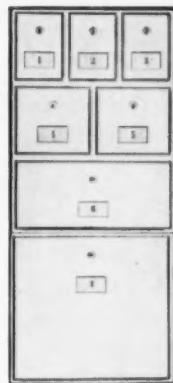


LOCK TYPE  
LETTER BOXES

**Cutler**

The addition of Federal Lock Type Letter Boxes to CUTLER'S famous Mail Chutes and Mail Boxes now gives CUTLER a complete line of mail handling equipment for your particular requirements.

Federal Lock Type Letter Boxes are available from CUTLER in four compatible sizes, in two attractive styles. They are ideal for economical, efficient handling of mail and communications for faculty and staff in schools and academies . . . for permanent installation by local contractor or non-permanent placement at convenient locations.



**NOW Cutler IS YOUR SINGLE SOURCE FOR  
QUALITY MAIL HANDLING EQUIPMENT**

- Lock Type Letter Boxes
- Mail Chutes and Mail Boxes
- Mail Room Equipment

Write for your copy of the latest CUTLER catalog.



CUTLER 23b  
Cu

See our ad in  
AMERICAN SCHOOL &  
UNIVERSITY catalog  
—B224

**Cutler mail chute company**

ROCHESTER, NEW YORK

subsidiary of The Federal Equipment Co.,  
Carlisle, Pa.

a supplier to the  
U.S. Post Office Department

**PAMPHLETS OF INTEREST**

part of the information from a study of teachers of exceptional children which has particular bearing on the qualification and preparation of speech correction teachers. Bulletin No. 19. Office of Education. 77 pp. 45¢.\*

*Report of the Commissioner of Education's Committee on Public Service—1957.* This report, compiled and published by the University of the State of New York, The State Education Department, Albany, New York, reviews New York State's present library service and makes recommendations for its improvement and extension. 66 pp.

**World Affairs**

*Individual Freedom and the Common Defense*, by Walter Millis, is one of a series of studies directed at clarifying questions of justice and freedom in today's highly developed industrial society. This study considers the role of government in its capacity as an organization for the common defense. Published by the Fund for the Republic, 60 East 42nd Street, New York 17, N. Y. 80 pp.

*The Isms and You*, by Wyman Holmes, explains why Fascism and Communism are wrong in both theory and practice, but stresses the fact that Democracy can work only if the individual is willing to make it work. Published by the Tufts Civic Education Center, Tufts University, Medford 55, Massachusetts. 98 pp. 60¢.

*What About War?* by Henry W. Holmes, discusses wars of the past, the present-day threat of Communism, and the need for total world disarmament. Published by the Tufts Civic Education Center. (Address above). 96 pp. 60¢.

\* Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C.

W-5750  
Instructor's Desk



ask

## METALAB



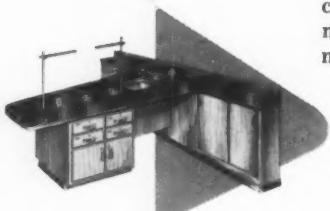
You have preliminary ideas on the science laboratory equipment and furniture you need. You want competent, straightforward advice prior to final planning.

You face the perennial problem of equipment needs versus space available in your laboratory. You require skilled engineering services.

You know what you need to modernize your science laboratory. The question is, can you manage it within the allotted budget?

There is a *best* answer to any given educational science laboratory problem. Whether it be budget, design, materials, space or time, METALAB has the experience and willingness to help you. Advisory, planning, engineering services are yours without obligation.

For prompt, best answers to your laboratory equipment and furniture problems...ask METALAB. Write or call for the new METALAB catalog containing many helpful ideas and much information on planning and modernizing your science laboratory.



**METALAB** *Equipment Company*

DIVISION OF NORBUTE CORPORATION

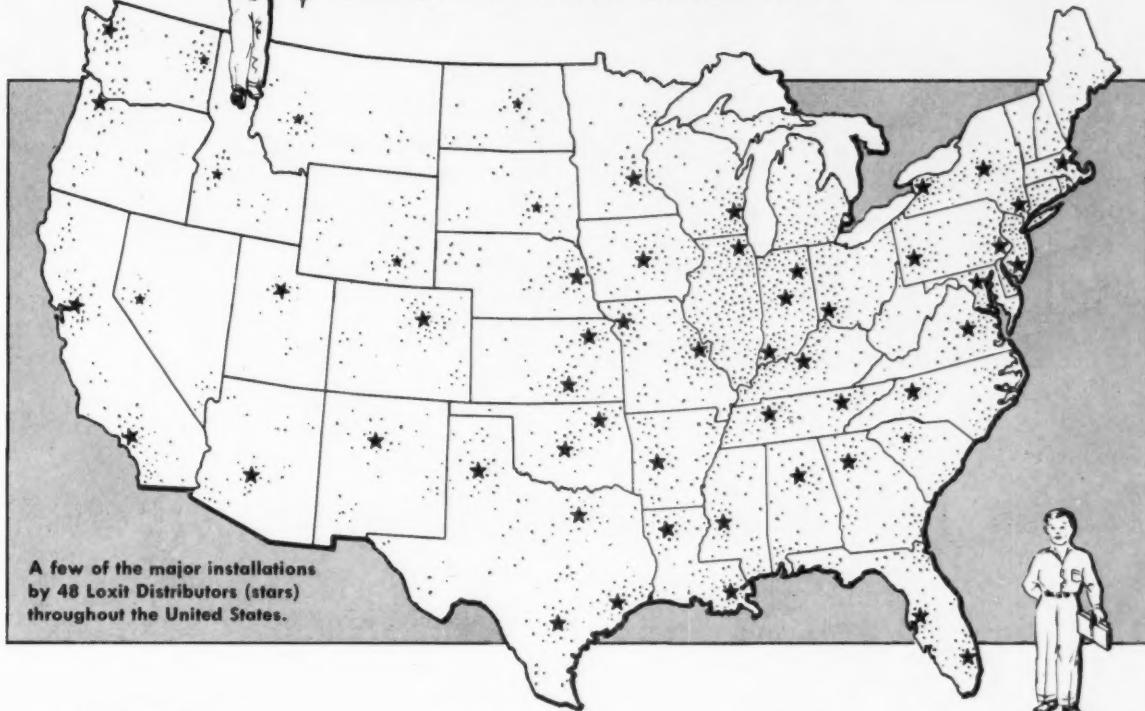
242 Duffy Avenue • Hicksville, L.I., New York WELls 1-3100

Visit METALAB at Booth J-33-35



# LOXIT CHALKBOARD INSTALLATIONS

FROM COAST TO COAST HELP AMERICA  
EDUCATE OUR CHILDREN!



**WRITE TODAY...**

for your free copy of the comprehensive 16-page catalog on the Loxit Complete Chalkboard System. In full color, it offers you detailed descriptions and drawings of Loxit Chalkboards, Tackboards, trim and accessories, complete with typical Loxit specifications.



*There is a Loxit installation in your community and not very far away.*

America's mushrooming population and the new emphasis being placed on our educational standards serve to highlight the importance of Loxit Chalkboard Installations in our schools. Considering that a child cannot learn when he cannot read what is written on the chalkboard in his classrooms, you are denying these school children the essential Loxit qualities of low reflectance and high readability.

All Loxit Chalkboards—KOMPO-LUX (composition), PETRA-LOX (cement-asbestos), PORCELOX (porcelain steel) are available in eight colors scientifically created just RITE for low reflectance and high readability: Rite Spring Green, Rite Dark Green, Rite Gray, Rite Tan, Rite Coral, Rite Blue, Rite White and Rite Black. All over America, Loxit Chalkboards are combining the latest scientific chalkboard color designs with smart modern interior decoration to give our classrooms greater comfort and inspiration.

**LOXIT SYSTEMS, INC.** 1217 W. WASHINGTON BOULEVARD, CHICAGO 7, ILLINOIS

February, 1959





Aids in the lunchroom . . .



and for noon-hour play.

**How to give your teachers  
an hour of freedom**

## **Teacher Aids for Lunch-hour Activities**

by **HAMILTON BOOKHOUT**  
Supervising Principal  
Bethlehem School District  
Delmar, New York

NOT TOO long ago, the lunch pail was as symbolic of education as the McGuffey reader. It was the teacher's daily reminder that her responsibilities for the children were continuous from the first arrival in the morning until the last blackboard washer left at night.

Even when the lunch pail gave way to the cafeteria, the teachers' supervisory responsibilities for children remained unchanged. In fact, their duties became more complex by the sheer numbers involved in the central school. A need soon arose for an organized noon-hour program to replace the almost picnic-like atmosphere which at one time characterized the rural school noon recess.

As the elementary schools become larger and more complex, subject teachers of art, music, physical education, library, reading and speech

have increasingly less time during the busy school day to discuss and plan together with classroom teachers. This breakdown of communications is most frustrating to both groups and results more often than not in unrelated programs being taught children by classroom teachers and subject teachers. Teachers must have time to confer with one another.

At the Bethlehem Central School District we have been concerned for a long time about the bad effects of the continuous day on teachers' productivity, communications and morale. So, during the spring of 1956 we determined to try to find some answers to these perplexing problems. With the aid of representatives from the State Education Department, particularly from the Bureau of Elementary School Supervision

and the Research Division, a plan was devised whereby teachers would be relieved of noon-time duties with children. Under this plan no restrictions were placed on the teachers. They were free at noon-time to move about as they chose, go where they would, and eat where they saw fit.

### **How the plan works**

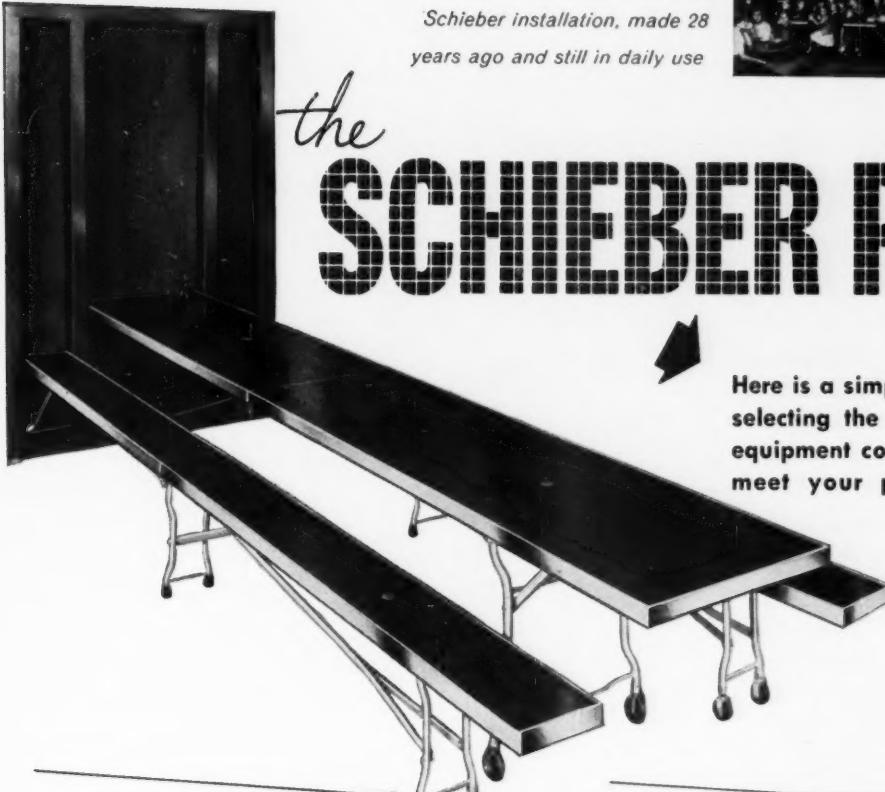
To permit this freedom, we hired mature women to serve as pupil-teacher aids. Our Slingerlands Elementary School, which has two sections in each grade as well as a special class for the mentally retarded, was arbitrarily selected as the pilot school for this experiment. We employed one woman to supervise the two sections of each grade and one additional woman to take care of the special class pupils. Their main duty was to supervise the children

*The oldest multi-purpose room  
in existence. It's the original  
Schieber installation, made 28  
years ago and still in daily use*



*the*

# **SCHIEBER PLAN**



**Here is a simple formula to use in  
selecting the multi-purpose room  
equipment correctly engineered to  
meet your particular problem.**



**IS THIS YOUR MULTI-PURPOSE ROOM?**

Adequate wall space and unobstructed floor plan permits installation of single depth pockets: Specify Schieber "In-Wall" (in-the-wall or against-the-wall mounting). This equipment is all-steel, the strongest and the only equipment of its kind built for schools. There is no record of one ever wearing out. Eliminate need for special storage area.



**WHEN TO USE PORTABLES**

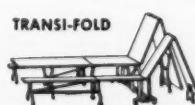
(1) Budget positively prevents use of wall pockets. (2) Area will not be used for lunch hour seating in future. Arrangement is temporary. (3) Enrollment increase requires auxiliary seating. Where portables are indicated, get the facts on Schieber—they're "school engineered."



**IN-WALL**



**FLEXO-FOLD**



**TRANSI-FOLD**



**COMPAC-FOLD**

**SCHIEBER**

**FOLDING TABLES  
& BENCHES**

**12955 INKSTER RD.  
DETROIT 39, MICH.**

## LUNCH

during both the eating and the play periods of the noon recess. They were hired for two hours each day, and this arrangement allowed them ample time to come early, get set for the children, confer with staff members and each other, supervise the children and compare notes at the end of the recess period.

The classroom teachers prepared their pupils for lunch and turned

them over to the aids who assisted as they bought lunches, watched over the eating period, watched over the scheduled after-lunch activities on the playground, in the gymnasium, library, or the other areas used for the program. In order to utilize all areas in the school to their maximum, some grades had their recreation program prior to lunch.

One classroom teacher, on a rotating basis, and the building principal were on duty during the noon

period to assist with emergencies.

The essentials of the plan were published in the local newspapers, through the PTA organizations in the district and in the school's *Central Highlights* which periodically is mailed to all homes in the district, and applicants were solicited and screened. The building principal selected those she thought would do the job best. These recommendations were submitted to the board of education which appointed the aids at an annual salary of \$600, which is at the rate of \$1.50 per hour for 200 days. Sick benefits equal to those enjoyed by all other employees were granted to the aids.

The aids have been encouraged to dress appropriately for the work and the season so we find that warm coats and boots, ski suits and slacks have become their favorites during the cold winter days. This appropriateness of dress has contributed to the plan's success for it has permitted the aids to participate in games and activities with the children.

Each day, the aids meet in the faculty room to confer among themselves and with the principal and teachers. These meetings have been invaluable for bringing about better understanding of children and their behavior, establishing uniform procedures, absorbing information about the school's policies and receiving instructions from the nurse, physical education teacher, librarian and others. Thus the noon program continues the schools' program and yet it has variety and vitality.

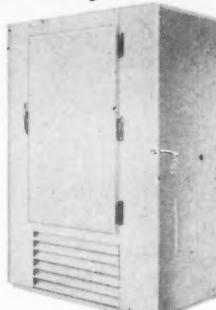
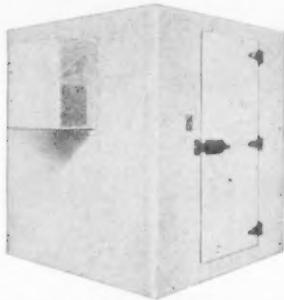
### The freed teacher

We have learned a lot about teachers through this experiment. First, a teacher does not stop being concerned and interested in her class as soon as she turns the children over to others. In fact, she is doubly anxious to see to it that the training she is giving the children is continued by the aids and cooperates with these assistants quite well.

We also learned that teachers who are freed from supervisory responsibilities at noon stay in school for lunch. They like to eat together. They talk about their work and have the leisure and inclination to do

## NOW... NOR-LAKE brings you user-planned, user-tested cooling and freezing!

SE-285



**WALK-IN COOLERS**—All metal walk-in cooler—one of NOR-LAKE's most popular units! Shipped knock-down in easy-to-put-together sections. Optional Plug-In Panel refrigeration unit mounts on wall or ceiling. Wood or metal walk-in coolers available to your size or height specifications.

**REACH-IN REFRIGERATORS**—Designed for small stores, restaurants, schools, and industry. Triple door seal. Heavy Fiberglas insulation. Automatic defrosting. Baked enamel finish standard. Model RI Series: 8 models up to 45 cu. ft.



**SLIDING DOOR MILK BEVERAGE COOLERS**—Just 34½" high—perfect for under counter use. E-Z slide lids disappear completely. Adjustable temp. control. Welded steel construction stainless steel or baked enamel finish. 18 sizes—up to 40 12-oz. bottle case capacity.

- ALL MODELS KEPT IN STOCK FOR IMMEDIATE DELIVERY
- ALL MODELS AVAILABLE IN STAINLESS STEEL

**NOR-LAKE, Inc.**  
Second Ave. and Elm,  
Hudson, Wis., Dept. 304



Go **NOR-LAKE** all the way—write for FREE, illustrated information:

Please rush FREE illustrated information on  Walk-In Coolers

Reach-In Refrigerators  Milk and Beverage Coolers

Other \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_



Reading room of Roy O. West Library, DePauw University, Greencastle, Indiana

## "Wet weather won't harm our Weatherall-protected floors,"

SAYS ART PERRY, DEPAUW'S SUPERINTENDENT OF BUILDINGS AND GROUNDS

Weatherall heavy duty floor wax is just one of Huntington's products that keeps the new Roy O. West Library at DePauw clean and beautiful.

"The floor won't water spot," says Art Perry. That's why he's happy that he chose Huntington Weatherall . . . the heavy duty wax that protects flooring against moisture and is highly resistant to shoe and chair scuffs. It stays bright and blemish free for long periods. A quick buffing restores original beauty.

If you have maintenance problems, ask to see the Man Behind the Drum . . . your Huntington representative. He'll tailor a practical maintenance program for you, based on sound experience, high quality products and personal skill. Call or write today for his name.



"Weatherall's mar-resistant finish is easy to keep glossy. Marks buff right off," says Huntington's Richard F. Haflich to Art Perry.

**HUNTINGTON**  **LABORATORIES**  
INCORPORATED

Huntington, Indiana • Philadelphia 35, Pennsylvania • Toronto 2, Ontario

# HUNTINGTON

...where research leads to better products

## LUNCH

those small tasks which in a busy day very often go undone. We found that as the general education teachers and the subject teachers ate together, communications were re-established, better understanding was reached and long-range planning was possible.

The principals are the key persons in the plan, not only during screening and selection, but constantly during

the year. They conduct workshop sessions for the aids before school starts to acquaint them with each other and their job. Later, weekly meetings are organized for teachers and aids so that the physical education teacher, for example, can teach the aids a new game that the children are playing, or the psychologist can help them gain understanding of child behavior. The principals are on duty during the noon period, and consequently, are available for con-

sultation and help, if needed. The principal's constant attention gives security to the aids and prevents untenable situations from developing. The principals conduct periodic evaluation meetings which help to keep the program fluid and in tune with the needs of the children.

### Legality

The proposed program was approved by the insurance company which carried our public liability insurance when we asked whether it would defend the district and aid in case an accident occurred while a child was under the supervision of an aid. The Legal Division of the State Education Department has also declared the system we are using at Slingerlands to be in full compliance with the law.

We have observed a number of positive results. Morale is high among our elementary teachers because they feel that a constructive program was developed to alleviate a major sore-spot. At the same time, they feel the pupil-teacher aid program has not created new problems in its attempt to solve the original one. Communication between classroom teachers and subject teachers has been improved so that there is better teaching by both groups, and a more unified program for the children.

The aids are our best press agents; they have gained an appreciation of the teachers' tasks and a sympathy for the dedicated service teachers give the children in our school district. They interpret the school accurately to the community because they are a part of it and are enthusiastic about what they observe and do.

Playground accidents have been reduced in number and severity. And because of these many advantages, the Board of Education has accepted the recommendations of several advisory groups who have evaluated this program and increased the number of aids from 7 to 22 for the 1957-58 school year. We now have aids in each school in the district. Shortly, another evaluation will be made by these groups, and based on these findings, we will decide how extensive the program will be in 1958-59.

SE-287

**A New Floor Machine**  
**Job-fitted to Small Areas**  
**Super Service**  
**PORT-ABLE 13**  
**\$159.00**  
(With one polish or scrub brush)

- LIGHT WEIGHT
- EASY TO OPERATE
- MANY EXCLUSIVE NEW FEATURES
- POWERFUL—RUGGED



• If you have a small floor area to maintain, here is a machine that will keep your floor bright and clean at low cost and with little effort. Now you can protect your floor investment at half the cost of doing it with oversize, bulky machines that don't fit your requirement.

*It scrubs, waxes, polishes, steel wools. Ask your local Super dealer, or write.*

  
**SALES AND SERVICE**  
in Principal Cities  
IN CANADA: Plant Maintenance  
Equipment Company TORONTO  
MONTREAL • VANCOUVER  
**SUPER SUCTION SERVICE®**  
Power Suction Cleaners • Quality Floor Machines  
SINCE 1911  
"THE DRAFT HORSE OF POWER CLEANING MACHINES"  
THE NATIONAL SUPER SERVICE COMPANY 1947 N. 13th St., Toledo 2, Ohio

# NEW CREATION IN SCHOOL SEATING

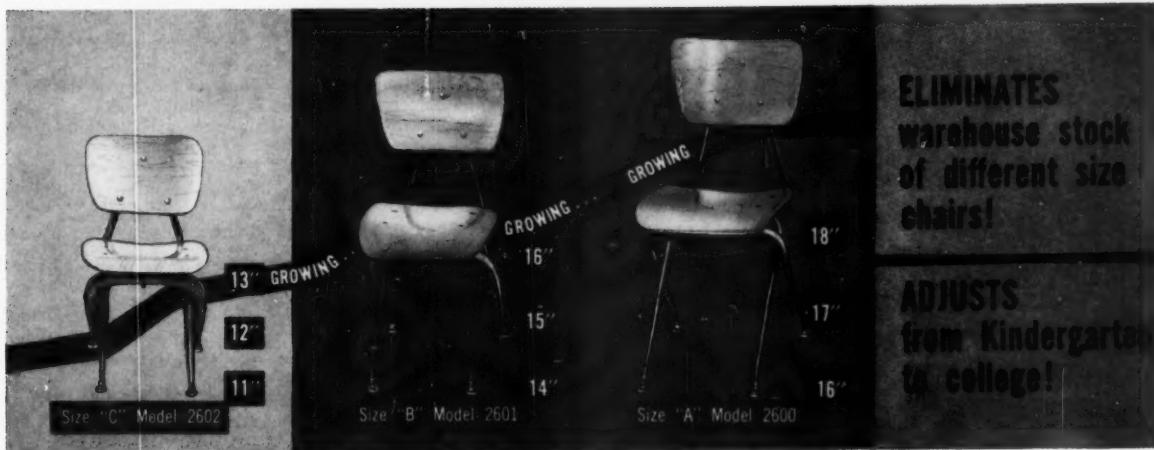


*Interstate* **ADJUSTEZE**

**CAMPUS KING**

**ADJUSTABLE CLASSROOM CHAIR**

Durability, comfort, style and adjustability are the four outstanding features of the new CAMPUS KING, the first, truly versatile classroom chair. The  $1\frac{1}{4}$ " steel tube frame is the basis of CAMPUS KING'S durability. Swaged legs, chrome-plated case hardened steel glides inset in rubber, stand the severe test of classroom usage. The large, curved, "posture perfect" back and the compound curved, roomy seat provide comfort for the growing child... **AND WHAT'S MORE, THE INSTRUCTOR CAN QUICKLY AND EASILY ADJUST THE HEIGHT OF THE CAMPUS KING TO MAINTAIN THIS COMFORT DURING ANY OF THE GROWING YEARS!** It's easy to see why you're years ahead — growing years ahead — with the CAMPUS KING ADJUSTABLE CLASSROOM CHAIR



**Write today for complete Adjusteze Catalog**



Visit the Adjusteze Exhibit  
at AASA Convention, Atlantic  
City, February 14-18  
Booth No. 1509-11-13

*Interstate* **Adjusteze Corp.**  
805 East Center St., Anaheim, Calif., **P**rospect 4-4376

## A NEW ERA IN PICTURE PROJECTION

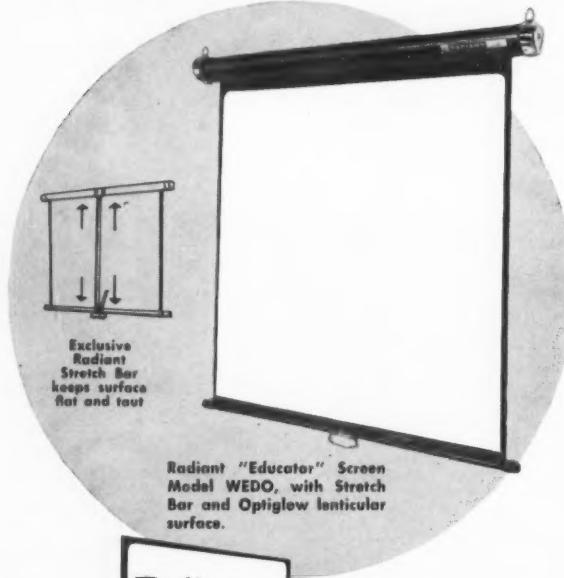


Magnified view of the more than a million lenses on each Radiant "lenticular" screen surface—lenses that concentrate and reflect light with greatest brilliance over widest viewing area.

## the new **Lenticular** RADIANT SCREENS

### FOR LIGHTED AS WELL AS DARKENED ROOMS

The revolutionary new "truly lenticular" Radiant Screens provide a reflective surface that is in effect a *complete sheet of lenses!* These lenses are optically engineered to control light completely. Actual tests have shown the exclusive Radiant "true lenticulation"—is extremely effective for projecting in darkened rooms or even lighted rooms where no extreme or unusual lighting conditions exist.



**Radiant**  
Franchised  
Dealer

available exclusively through  
Radiant Franchised Dealers

# RADIANT

**RADIANT MANUFACTURING CORP.**

Subsidiary of U. S. Hoffman Machinery Corp.

P.O. BOX 5640

CHICAGO 80, ILLINOIS

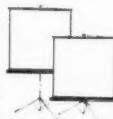
### THE new *Lenticular* ROLL-UP WALL SCREEN with exclusive Stretch-Bar!

A new Radiant development now permits the use of the remarkable new lenticular screen surfaces where they were never available before. The Stretch Bar makes possible an instant flat, taut surface. When not in use, screen can be rolled up and is fully protected against dust or injury.

The Radiant "Educator" with Optiglow Lenticular Surface (Model WEDO)—produces brilliant pictures in a wide viewing area, with greater sharpness and definition. The surface is washable as well as fungus and flame-proof. Available in 2 sizes: 40" x 40" & 50" x 50".

### Also available — "Lenticular" PORTABLE TRIPOD SCREENS

The Radiant Educator is now also available in Tripod models in choice of two lenticular surfaces—Uniglow and Optiglow—as well as Vyna-Flect Beaded to meet varying projection needs.



**RADIANT MANUFACTURING CORP.**  
DEPT. SE29, P.O. BOX 5640, CHICAGO 80, ILLINOIS

**Send for Free Booklet** — Fill out this coupon and mail for free copy of booklet "The Miracle of Lenticular Screens"—full details on the Radiant Lenticular "Educator" Screens.

Name \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

Zone \_\_\_\_\_ State \_\_\_\_\_



## The NEW WAY to TEACH 5 Classes in 1 Room!



Suitable Combinations  
for All Classrooms from  
These **MODULAR UNITS**

Functional styled Cramer Profession-L school desks are adaptable to any classroom space. You can seat more students comfortably, efficiently . . . with greater work area, at lower cost.

Plus—Cramer Student Posture Chair encourages correct posture habits . . . lessens fatigue. 3-way adjustment for seat height, back height, seat depth. Formed natural plywood seat.



**CUSTOM BUILD YOUR OWN DESK.** Over 35 Modular Combinations from 4 Basic Units. (Modesty panels and book compartments available).

*Cramer*  
**P**rofession-L  
"BUSINESS PRACTICE" FURNITURE

Write for catalog and name of nearest dealer

*Cramer* POSTURE CHAIR CO.  
625 Adams, Dept. SE-1  
Kansas City, Kansas

## Here's a Partial Answer to the Question: "How Much Will Educational TV Cost Us?"

TODAY there are over 100 educational television installations in the United States.

From the wealth of experience gained through actual use of ETV at our many Universities and Colleges, and the Hagerstown, Md., Washington County School system network, it is believed that the quality of television equipment should be of the same calibre as that used in commercial television operations. That doesn't mean ETV costs are prohibitive.

Projecting the results of work now being done, indications are that there will be local, regional, and national television networks for both closed, or open, circuit educational use within a few years. Compatibility with television broadcast standards will be a requirement of such networks. This is an important point to keep in mind for those planning the use of television in their school systems.

### Cost Advantage of Central Broadcasting Studio

It has been fairly well established that the use of a TV teaching center, or studio, is the most economical and most efficient method of employing television in the educational system.

Cost for equipment and maintenance is reduced by having the necessary equipment in one area. The life of the equipment is extended and efficiency is improved because it is easier to move personnel, as

well as articles of instruction, rather than cameras, lights, cable, microphones, etc.

The use of a centrally-located studio has distinct advantages. In a studio, the educator can carefully plan and stage his production to provide maximum utilization of his TV system. It is desirable to use at least two cameras in every production so that wide angle shots and close-ups can be intermixed by switching, or dissolving, between the two cameras. The use of three cameras would permit but little more flexibility. A multiple camera studio provides for individual views of the instructor, his blackboard, experiments, etc. Suitable dolly arrangements provide for re-locating cameras at will. In this way, TV provides every student close-up of the action regardless of his position in the classroom. ETV provides the most practical means of presenting these desirable educational techniques to students.

Too, a centralized studio makes it possible to program all productions under optimum conditions of lighting, staging and camera operation. The picture and sound from such a studio can be transported to any location by means of suitable distribution systems.

Complete information about the advantages of a centralized studio can be obtained by writing this electronic manufacturing firm: Sarkes Tarzian, Inc., Educational Television Department, Bloomington, Indiana.

### How About Costs?

Using the centralized studio concept, equipment facilities including film reproduction, live studio camera, and all monitoring and control facilities can be installed for as little as \$20,000. More flexible and more elaborate installations will cost from five to fifteen thousand dollars additional depending upon individual desires and requirements.

Costs can best be controlled in advance by writing specifications describing the end result required, as well as equipment performance specifications.

Specifications should not limit the number of bidders. A thorough study of proposals will allow purchasers to eliminate bidders proposing equipment which cannot adequately perform the intended results.

How do you choose a reliable ETV consultant? Ask the equipment manufacturers to send their representatives to see you and discuss your individual requirements. You can choose as your consultant the representative who furnishes the most impartial and objective specifications for your job. These services generally are provided free of charge. Complete specifications and equipment lists are available from Sarkes Tarzian, Inc.

### Results?

Even with the teacher shortage, the expected student enrollment increase can be effectively controlled by employing TV as an instructional tool.

Although some subjects lend themselves more readily to the use of television presentations, ETV has been used successfully for teaching almost every subject.

Extensive use of slides, film, charts and blackboard for explanations have proved to be most effective in ETV.

With a suitable distribution system, multi-channel distribution of different subject matter can be accomplished. And, by using a centralized library of visual aids, the centralized studio is capable of disseminating several programs simultaneously. Interested school officials are invited to contact the Tarzian company for complete information.



**SARKES TARZIAN** is president of the firm bearing his name, Sarkes Tarzian, Inc., a pioneer in the fields of Television and electronics development and manufacturing. Sarkes Tarzian, Inc. is a \$20 million company with seven operating divisions located in Bloomington, Indiana. These divisions include commercial TV and AM radio station operation and the design and production of several electronics products. The Tarzian firm, one of the nation's foremost suppliers of TV equipment for educational use, is recognized for its personalized service. To date, more than 30 universities and colleges have been served by the Tarzian Educational Television Department. Schools such as Ohio State University, University of Florida, University of Dayton, San Diego State Teachers College and Des Moines Technical High School are among those using Tarzian closed circuit TV equipment.

### DESKS, TABLES

SE-402

*Quality Line at Economy Prices*



Lyon Metal Products, Inc. is entering the desk field with a line of office desks and tables. The new line includes a full size 60" x 30" double pedestal desk; a 42" x 30" single pedestal desk; and a companion model 60" x 30" conference table. The table top extends over the modern panel-type legs to permit comfortable seating on all sides of the conference table.

Some of the features are: welded construction throughout; heavy duty linoleum top with beveled stainless steel trim; rounded drawer fronts which extend full width of pedestal frame; all pedestal drawers interchangeable; all drawers operate on smooth, silent nylon glides; recessed handles; skid-type base with adjustable feet; and gray baked-on enamel finish.

LYON METAL PRODUCTS, INC., Aurora, Ill.

### CARBON PAPER

SE-403

*Won't Curl, Slip, or Smudge*

Royal McBee Corporation's Roytype Department has recently introduced a new line of carbon paper called Roytronic. It has a pink back which is coated, by a new process, with a plastic which eliminates slipping of the copies as well as curling of the carbon itself.

The new Roytronic Carbon Paper is made with pure carnauba wax which provides a hard clean surface and eliminates roller marking.

This carbon paper comes in a special box which fits neatly into the stationery compartment of the secretary's desk. A special cut-out in the box enables the secretary to pick up the number of sheets she requires.

ROYAL MCBEE CORP., Westchester Ave., Port Chester, N. Y.

### Laboratory Turntable

SE-401

*Saves Time, Space, Money*

Fifteen seconds after the flip of a switch, a physics classroom laboratory was converted to a fully-equipped biology laboratory in a demonstration at the Chicago Undergraduate Div. of the University of Illinois. The key to the quick change is a built-in, automatically rotated turntable at each student station which delivers one set of lab equipment "on stage" while a previous set disappears into the wall. All units can be rotated at once or each singly from a centrally operated electronic panel.



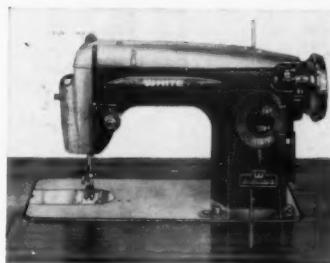
The new design thus allows a single laboratory to serve a variety of study courses—physics, biology, geology etc.

HAMILTON MFG. CO., Two Rivers, Wis.

### SEWING MACHINE

SE-404

*Shows Stitches Per Inch*



Home economics teachers will be interested in the new straight stitch sewing machine announced by White, Model No. 660. This machine features small chrome hand wheel; automatic bobbin winder; calibrated stitch indicator; stitches per inch shown; push-button drop feed; folding spool pin; plastic lined oil holes; built-in needle illuminating light; hinged cover plate; rocking presser foot; lapped surface disc tension; etched needle plate; hinged shuttle assembly; pop-up darner; link motion thread take-up; round bobbin; positive V-belt drive; forward and reverse stitch.

WHITE SEWING MACHINE CORP., Home Equipment Div., Cleveland 11, Ohio.

### ROLLING GYMSTAND

SE-405

*Designed for Length of Gym*

A motorized bank of rolling gymstand, called Wayne continuous-motorized rolling gymstand, is designed for the entire length of a gymnasium. It eliminates the need for three, four, five, ten or more individual rolling gymstand sections normally used to equip a complete side



or end of a gym. This model offers the advantages of added beauty, more seating capacity, greater strength and completely automatic operation.

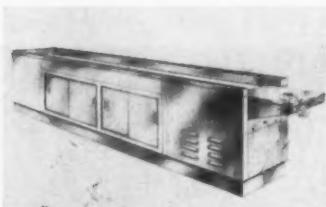
The continuous wood feature gives an impressive new look and the feel of spaciousness. The wood used is splinter resistant Philippine Mahogany or Douglas Fir. Because they eliminate the gaps between individual rolling gymstand units, the new stands provide up to 10 per cent more seating capacity. Greater strength is provided because the design is such that the load is distributed over the full depth of the structure.

WAYNE IRON WORKS, 147 N. Pembroke Ave., Wayne, Pa.

**For more information . . .**

about products in this section, circle the corresponding SE number on the business reply card on the past page and mail to us.

**Motor-Driven Belt Unit SE-406**  
Handles Dishes, Trays



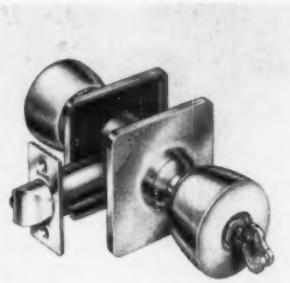
The Caddy-Veyor is a motor-driven belt unit for easy and rapid handling of

dishes and trays. One of the newest features of this equipment is the Dual Track Nylon Belting. This belt is self-tensioning since only the part of the belt carrying the load is under tension exerted only by the load itself. This insures a longer belt life. The belt links are also self-tracking, requiring no adjustments whatsoever. The nylon sections are rigid, shock resistant and cannot unravel or shred. The operation is smoother since nylon is self-lubricating, producing practically no load on the motor. Nylon does not absorb stains and is very easy to keep

clean. The unit can also be supplied with a drain pan and an automatic jet-spray system for high pressure cleaning of the belt.

**THE CADDY CORP. OF AMERICA, Secaucus, N. J.**

**Cylindrical Lock SE-407**  
Designed for Rough Usage



Russwin Stilemaker Doorware is specifically designed for school use. These locks have such advantages as: a full  $\frac{5}{8}$ " throw permanently lubricated latch bolt; concealed knob retainers; long knob shank bearing for knob rigidity and many others.

**RUSSELL & ERWIN DIV., The American Hardware Corp., New Britain, Conn.**

**Science Table SE-408**  
Is Completely Portable



The new Grade-Aid Science Table is designed to fill basic needs in teaching the sciences to elementary and junior high school students. The table is easily rolled from room to room and can be moved simply to other buildings.

Special features are: the  $1\frac{1}{4}$ " lifetime counter top of Johns-Manville Colorlith, vinyl-sprayed for added protection from heat and chemicals; extra-sturdy construction of heavy-gauge cold rolled steel throughout; and the hammertone gray baked enamel finish.

The table is 48" long, 30" wide and stands 36" high.

**GRADE-AID CORP., 48 Bridge St., Nashua, N. H.**

**Here it is! CRAM'S New**  
**revolutionary**  
**rugged**  
**GLOBE BALL**

WEIGHS A LITTLE OVER A POUND—YET  
WILL HOLD UP OVER A TON OF WEIGHT.

**"TUFFY" — Cram's New Globe Ball**

Science and Research have teamed together to produce this remarkable world globe. We don't mean just "NEW"—it is completely revolutionary...

No longer is it necessary to treat your globe like fine china.

Indestructible for classroom uses and hazards. Eliminates teacher's fear of breakage, when handled by students.

This new globe ball may be bounced, dropped or hammered without ill effects.

Fill out the coupon below—see for yourself what this NEW Cram World Globe can do for more effective teaching and classroom uses. This new 12" globe has strength and durability never before dreamed possible. Available with BE-GINNERS, POLITICAL or PHYSICAL-POLITICAL Map.

GEORGE F. CRAM CO.  
730 E. Washington St.  
Indianapolis 7, Ind.



Have Cram  
Man Call



Send Descriptive  
Literature

Name \_\_\_\_\_ Title \_\_\_\_\_

Name of School \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

ATTENTION! BUDGET-BOUND SCHOOL ADMINISTRATORS!

# YOU CAN RELIGHT ...WITHOUT RE-WIRING!

SCHOOLS THROUGHOUT NATION REPORT PROVEN 50% AND HIGHER SAVINGS VIA CUTLER COLD-CATHODE "MIRAC-O-LITE"® PLUS GREATER LIGHT EFFICIENCY, LOWER OPERATING AND MAINTENANCE COSTS, TOO!

#### "MIRAC-O-LITE"® INITIAL AND ANNUAL SAVINGS

Cutler "Mirac-O-Lite"® fixtures may be installed in existing outlets without re-wiring costs. Hence, you can save 50% or more in your re-lighting projects—or re-light twice the number of classrooms on the same appropriation. Further, by the very nature of Cutler's cold cathode lamps, replacement, operating, maintenance and service costs are made negligible, too. For cold cathode, a type of fluorescent light, is far more efficient and less costly than the common "hot" types; and in addition to the initial savings enjoyed by schools installing "Mirac-O-Lite,"® year-after-year savings and efficiency accrue.

#### "MIRAC-O-LITE"® MEETS SCHOOL FORMULA

Cutler "Mirac-O-Lite"® easily meets school boards' formula: 2 watts per square foot gives a minimum of 30 candles. In addition, they offer even distribution, fluctuation-free light; and because of their larger glass area per unit, they give a soft or low brightness source. Yet, highest efficiency is achieved with low current. No shielding of any nature is required. Hence, cleaning housings and lamps is quick, efficient, labor-saving. The quantity of the light is better, too; each bent-lamp has an output of over 2300 lumens, 98% directed to the task. Other features include more comfortable light; instant starts and stops; less units required to light a given area; lower per-day current costs; and "Mirac-O-Lite"® lamps are free of hum, flicker, radio interference and vibration. In a word, there is good reason why so many school boards are specifying "Mirac-O-Lite"®—Cutler "Mirac-O-Lite."®

See Us at Booth No. 1347

AASA Show  
Municipal Auditorium  
Atlantic City, N. J.  
February 14-18

Booth No. 41  
National Lighting Exposition  
N. Y. Coliseum  
March 1-4



**CUTLER LIGHT MANUFACTURING CO.**  
2024-28 N. 22nd St., Philadelphia 21, Pa. • POpular 5-7683



Installation at Law Library, Temple University, Philadelphia, Pa.; one of the many schools benefiting by "Mirac-O-Lite."® (Names on request.)

#### "MIRAC-O-LITE"® GUARANTEED 3 YEARS

Cutler "Mirac-O-Lite"® lamps carry an unconditional 3-year guarantee. Although this may seem to be a remarkably long time compared to "hot" cathode and incandescent lamp-life, users of "Mirac-O-Lite"® lamps report as many as 50,000 hours; and one internationally famous scientific institution reported 11 continuous years of lamp-life.

#### "MIRAC-O-LITE"® FREE TRIAL

Without obligation on your part, we will be happy to make available "Mirac-O-Lite"® fixtures for one of your classrooms. This offer is made because of the success we have had with this "No Obligation Offer Plan" with schools throughout the country; and we are certain that a trial will convince you to choose "Mirac-O-Lite."®

Cutler Light Manufacturing Co.  
2024-28 N. 22nd Street, Philadelphia 21, Pa.

Please forward data and prices concerning "Mirac-O-Lite."®  
 Also forward details about your One-Room Free Trial.

Name \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

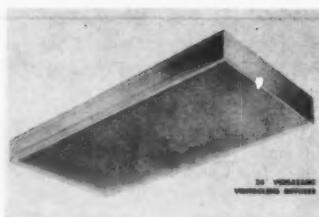


### Fluorescent Lighting Line SE-409

152 Different Units Available

This all inclusive line offers architects unlimited design and engineering benefits in the utilization of fluorescent lighting for schools. Units may be surface or pendant-mounted. All units have either solid or luminous sides and pendant-mounted Versataires are available as either direct or indirect types. Mounting of all types may be individual or in continuous lines.

The luminaires are for 48" Rapid or 24" Trigger Start Lamps and are available in 24", 48" and 96" lengths and 12", 18", and 24" widths. Versataire units have an overall depth of only 4". 96" units utilize 48" lamps in tandem.



All units are metal, finished baked

white synthetic enamel, Underwriter Laboratories approved with ETL. CMB Certified Advance Ballasts for operation on 110-120 volt 60 cycle circuits. Wired complete at the factory ready for installation.

**LIGHTING PRODUCTS, INC.**, Highland Park, Ill.

### Portable Sewing Machine SE-410

Ideal for Students



Singer Sewing Machine Co.'s newest Portable is geared to the sewing needs of beginning students. The machine features forward and reverse stitching, a calibrated throat plate, stitch length regulator, and other up-to-the-minute conveniences. It is sold with a full set of attachments.

This lightweight machine is offered in two-tone green with matching carrying case.

**SINGER SEWING MACHINE CO.**, 149 Broadway, New York 6, N. Y.

### Pressure Filter SE-411

For Larger Swimming Pools

A new intermediate size Diatomite pressure filter designed for swimming pools requiring a filtration rate of 4000 to 7000 gallons per hour, or multiples, has been announced by Romar Filter Corp.

Known as the Suburban, the unit is of downflow design and is built in two models with average capacities of 4200 and 7200 gallons per hour, and filtering surfaces of 35 and 60 sq. ft. The larger model needs only 9 sq. ft. of base space and 5 ft. 6 in. headroom.

Either model can be mounted in banks of two or more units for higher, more flexible filtering requirements where increased capacities are needed. Pools with capacities of 20,000 to 80,000 gallons can be handled by single units; tandem installation handle pools of 125,000 gallons capacity and upward. Cleaning time is only 10 minutes.

**ROMAR FILTER CORP.**, 120 W. Melvin St., Milwaukee 12, Wis.



# Exclusive!



## MONOSTEEL TOP

Irwin leads again with an important advancement in school desk design. The advantages of plastic with wood-core and the sturdiness of the metal style are combined to give a G-E Textolite surface, a wide, heavy aluminum rim that is flush with the top and a die-formed one-piece steel frame.

#### THE FRAME . . .

insures permanent shape. Eliminates twisting, bending and warping. Fastened to book box through heavy, threaded washers.

#### THE TOP SURFACE . . .

Mar-resistant G-E Textolite plastic in attractive patterns . . . won't nick, check or crack. Resists heat and liquids.

#### THE EDGING . . .

is formed with a full width, heavy aluminum band with a hardened, anodized finish. Rim is flush with top surface.



NO. 1454 IRWIN UNIDESK  
Cradle form seat swivels on a 45 degree angle and is available in three sizes for all grades new Monosteel Top.

Write for Free Brochure giving full information.

## IRWIN SEATING COMPANY

1480 BUCHANAN S. W.

GRAND RAPIDS, MICHIGAN



## How to give a beginner professional poise (in one swift lesson)

There's no doubt about it, the new Royal Electric is fast becoming the favorite for teaching beginners.

Why? You name it. Less time spent on key stroking and carriage drills. The famous Magic® Margin that

makes margin setting *automatic*. And uniform scales for easier "positioning" of work on paper.

Royal has thought of *everything* to make teaching and learning easier.

**Best For Advanced Students!**  
Thank goodness! There's less trouble changing from manual to electric models. Royal alone offers you the invaluable Touch Control® feature that lets students transfer easily and *naturally* to electric typing.

And, of course, all controls are in the usual familiar positions—including tabular and back-spacing keys.

New Royal Electrics are built to be reliable. Service interruptions hardly

ever happen. (Still, any time you *do* need service, it's nice to know Royal has more service facilities than any manufacturer.)

How about a demonstration today? You're the best judge—and your nearby Royal man would be delighted to oblige you, at *your* convenience. Call him now. He can help *you* and your students do a better job faster.

**ROYAL®** electric

Product of Royal McBee Corporation,  
World's Largest Manufacturer of Typewriters.

**Steel Cabinet****SE-412****Is Counter High**

Built to standard counter height (42"), the new Penco 5542 cabinet can be butted next to counters to provide a smooth top working surface in addition to a large, lockable storage area for supplies, records, tools or dies. Any number of these units can be placed end-to-end to make a room area divider or service counter. The cabinet features an all-welded construction of 20 gauge steel, 3-point security door latching, an extra-strong steel angle reinforced frame, reinforced doors with chrome-plated handles and a grooved key lock with two



keys. It is available in two standard colors: gray or green and six special colors: rose amber, spray green, vista green, sage blue, warm gray or sand.

PENCO DIV., ALAN WOOD STEEL CO.,  
200 Brower Ave., Oaks, Pa.

# NEW FAST SERVICE

ON LABORATORY  
FURNITURE FROM  
FACTORY STOCK

**STUDENT TABLES**  
**INSTRUCTOR'S DESKS**  
**FUME HOODS**

**STORAGE ASSEMBLIES**  
**LAB. ACCESSORIES**  
**AND EQUIPMENT**



ORDER THIS HIGH QUALITY FURNITURE FROM THE NEW KEM TECH SCIENCE FURNITURE CATALOG, it is priced on the basis of large production runs, and you receive substantial cost savings with no sacrifice in quality. It will pay you to investigate this flexible line for any science room requirement.

*Write for your free copy of this catalog today!*

**KEWAUNEE**  
Mfg. Co., 5031 South Center Street, Adrian, Michigan

**TECHNICAL**  
Furniture Inc., 3005 W. Front St., Statesville, No. Carolina

**Bulk Food Units****SE-413****For Loading, Storage, and Serving**

The new V-Line models are especially made for bulk loading, storage and serving. They feature interiors that can be changed in minutes without tools. V-Line units will take 1 18" x 26", 2 12" x 20" and 2 14" x 18" pans or any fractional sizes. They will accommodate one-half or full size mobile food racks. Available in stainless steel, stainless steel and aluminum, baked white enamel, porcelain or any combination of these finishes. Bolster type or adjustable counter type legs. Comes in normal temperature refrigerators, combination normal temperature and freezer, freezers or warming cabinets.

VICTORY METAL MFG. CORP., Plymouth Meeting, Pa.

**SE-414****Circular Saw Blade Sharpener****Cuts Shop Costs**

An unusual circular saw blade filer, which eliminates costly sharpening charges and waiting time, is now available for use in schools. The Martin Saw Filer has been designed to accurately and quickly sharpen any circular saw blade while it is on the saw arbor.

Simplicity of operation—the filer is simply attached to the saw's miter gage, eliminating the need for vises or fixtures—enables anyone to professionally sharpen circular saw blades with a minimum of practice.

The complete kit consists of a steel file, wood base, and metal slide. The special steel file gives smooth accurate edges to saw blades; the wood base is designed for ease of movement and will not mar the saw table; and the metal slide, which attaches to the miter gage, provides an even and steady base.

MARTIN SAW FILER, 539 Greenleaf Drive, Monroeville, Pa.



**Their new classroom will be Quiet—  
thanks to New Gold Bond ACOUSTIROC**

Acoustiroc is a new acoustical tile available in three beautiful patterns: smooth, perforated and striated (above). Acoustiroc absorbs up to 85% of noise that strikes it, is easy to vacuum or paint, goes up fast, and can be installed even in high humidity conditions. Mineral-fibre Acoustiroc is incombustible, has a light reflection of 91%, costs less than most mineral tiles.

Find out how Gold Bond® Acoustiroc can be used in your school. Write Dept. SE-29, National Gypsum Company, Buffalo 13, New York.



**NATIONAL GYPSUM COMPANY**

## Electric Heating Units SE-415

### Built for Rapid Heat Transfer

These are two 128 KW Chromalox Electric Heating Bank assemblies for the Auditorium type Unit Ventilators in Penn Township High School, Mishawaka, Ind. The heating elements are rugged tubular finned metal sheath type, built for long life and rapid heat transfer, assuring responsive heat-up and cool-down. Fintube elements have an added advantage of totally enclosed and insulated construction for complete high voltage safety.



These heaters are part of an all electric Chromalox Heating System.

EDWIN L. WIEGAND Co., 7500 Thomas Blvd., Pittsburgh 8, Pa.

## Powdered Soap Dispenser SE-416

### Is Translucent and Unbreakable

Bobrick's newest low cost powdered soap dispenser is called Model 381. Made of Hi-Fax rigid linear polyethylene, this unit has lifetime wearing qualities, long lasting beauty, and is highly resistant to stress cracking. The globe is constructed with extra wall thickness for perfect rigidity. It has unusually large capacity.

The new model incorporates an adjustable output mechanism which allows adjustment for more or less soap per stroke. The body is of heavy metal, one-piece, chrome plated and highly polished. It is filled by swiveling over the globe, unscrewing it from the base, and pouring the powder in. When the filled globe is screwed back into the body and swung into the right position, the body automatically locks into place.

BOBRICK DISPENSERS, INC., Dept. SN, 1839 Blake Ave., Los Angeles 39, Calif.

## Background of a reputation



**DUDLEY**  
First in Locker Locks



Master-Keyed  
Built-in Lock  
Fits all locker piercings.  
Quick combination  
change with special re-  
set key.



Master-Keyed  
Combination Padlock  
Finest of all master-  
keyed padlocks. Cast  
aluminum case, extra  
heavy steel shackle.  
Self-locking. Rotating  
dial.



The DUDLEY  
Master Key  
Can't be duplicated on  
ordinary key making  
machines.

## Combination Mystery

Here is the innermost secret of the Dudley Combination Lock. Here a worker selects the proper tumblers, following a coded series, to provide a specific lock combination when carefully assembled. All three numbers of the Dudley Lock combination are *working numbers*, because when the hasp of the lock is pushed home, the last number spins off the dial and cannot be ascertained by the pointer position. There are 64,000 possible combinations.

You can always depend on the protection given by Dudley Locks, and the security of the Dudley Master Key. Ask your Dudley representative. He will helpfully discuss your locker lock needs—with out obligation, of course.

**DUDLEY**  
**LOCK CORPORATION**

Dept. 219, Crystal Lake, Illinois

The standard of controlled locker protection since 1921

## Cinderblock Glaze SE-417

### Simulates Ceramic Tile



A durable glaze, simulating ceramic tile, can now be applied to cinderblock school halls, bathrooms and kitchens, with a coating containing Bakelite epoxy resin. This type of wall coating is easy to apply and costs considerably less than tile.

Following a simple procedure for application, the coating, when dry, becomes an integral part of the cinderblock wall. It will not chip or peel. The coating produces a hard, tough finish which is stain-resistant, washable and non-fading. At least twenty year's service, under normal wearing conditions, can be expected.

UNIVERSAL CHEMICAL CORP., 2416 65 St., Brooklyn, N. Y.



# YOU CAN CLEAN FLOORS LIKE THIS

## for as little as 12¢ per hour

SEE US AT  
AASA Convention  
ATLANTIC CITY,  
Feb. 14-18  
BOOTHS J 13-15



Get sparkling, safe, sanitary floors—floors that are really clean with the self-propelled Clarke-A-matic floor maintainer, the machine that meters solution, scrubs, picks up and dries, all in one easy, automatic operation. And it not only gets floors *clean* — it does the job so fast that it actually cuts labor costs up to 92%.

Here's how: The estimated national average maintenance wage rate is \$1.50 per hour. With a mop, one man can cover 1,000 sq. ft. per hour — so it costs you \$1.50 for labor. With a Clarke-A-matic, one man can average 12,000 sq. ft. per hour. So labor

cost is only *one-twelfth* of the hourly rate — or about 12 cents — to clean the same 1,000 sq. ft. You actually save up to \$1.38 every hour you clean with a Clarke-A-matic.

Ask your Clarke distributor to put a Clarke-A-matic through its paces on your own floors. Then, you will see how it speeds up your floor maintenance job. You'll learn exactly how much you'll save!

In the meantime, write for details about the Clarke-A-matic, just one of many different Clarke Floor Machines all designed and built to give you *clean* floors for dimes instead of dollars.

Illustrated: Battery Powered Clarke-A-matic Floor Maintainer



MADE BY CLARKE, THE BEST KNOWN NAME IN FLOOR MACHINES  
512 E. Clay Avenue, Muskegon, Michigan

Authorized Sales Representatives and Service Branches in Principal Cities  
Distributed in Canada: G. H. Wood & Co., Ltd., Box 34, Toronto 14, Ont.

*Save Money...*

# STRETCH TEXTBOOK BUDGETS with a planned approach to... TEXTBOOK MAINTENANCE!

In these days of rising costs and restricted budgets, your textbook investment should be protected. Thousands of schools the country over are saving money — spending not \$3 for new books, not \$1 to \$1.50 for rebinding, but 5c to 10c per damaged book for complete repair and reconditioning by pupils.

Send for free booklet "A Planned Approach to Textbook Maintenance". Describes the DELKOTE Book Maintenance System, tells why planned maintenance is important, how it works, how to set it up to get the most from each dollar invested.

Delkote book maintenance products and assistance, in setting up operating programs, are available nationwide. No salesman will call. Simply write...

**DELKOTE, Inc.**  
EDUCATIONAL AIDS

Originators of . . . BOOK-SAVER, BOOKOTE, BOOKLEEN, DEL-FIX, TAK.

1419 FAULK ROAD  
WILMINGTON 99, DELAWARE  
P. O. BOX 574  
BERKELEY, CALIFORNIA

SE-344

Science teachers have more time to teach



SEE LAB-VOLT UNITS EXHIBITED  
BY LEADING SCHOOL FURNITURE  
MANUFACTURERS AT THE  
A.A.S.A. CONVENTION —  
ATLANTIC CITY — FEB. 14-18.

Permanent Lab-Volt power units  
SAVE TEACHERS' SET-UP, HOOK-UP AND CLEAN-UP TIME.  
Building new? Lab-Volts cost far less than a central  
panel system and offer students and teachers many other  
advantages.

For existing laboratories with an inadequate or no  
power system, Lab-Volts offer an economy, flexibility,  
versatility, security and convenience not available in  
portable gadgets, batteries or dry cells.

In addition to a line voltage duplex outlet, each Lab-  
Volt provides continuously variable low voltage AC and  
DC outputs adequate for any experimental program.

Gentlemen:

Tell me more about Lab-Volt for use in Laboratory  Shop   
Present building  New construction

Name \_\_\_\_\_ Position \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

If you prefer, write your laboratory furniture manufacturer. He can  
supply Lab-Volts built into new installations or show you how to adapt  
them to your present equipment.

**Lab-Volt**

Manufactured by

**BUCK**

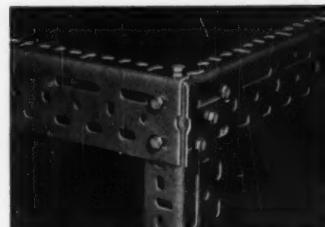
ENGINEERING COMPANY, Inc.

39 MARCY STREET  
FREEHOLD • NEW JERSEY

## Steel Angles

SE-418

For Custom Manufacturing



Hot dip galvanized Equipto Angle comes in 12 and 14 gauge weights and 10 or 12 foot lengths. This new product is punched with scientifically spaced holes and slots so that it may be cut to any length and bolted together to make such items as storage racks, tables, guards, frames, carts, stands, ladders, etc. This system permits the custom construction of special equipment, yet requires no engineering or mechanical skill to use.

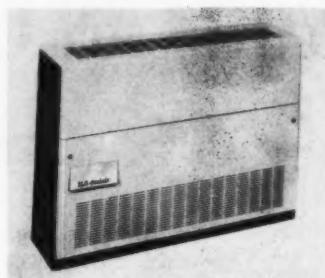
Nuts and bolts are furnished with the Equipto Angle so that the only steps necessary are to cut the angles to length and bolt them together.

EQUIPTO, Aurora, Ill.

## Air Conditioning Units

SE-419

In New Cabinet Installation



The ILG-dualair line of cabinet-type air conditioning units are designed for year-around use with chilled and hot water. The units offer an air volume range from 200 to 1400 c.f.m., cooling capacity of 1 to 5 tons, and heating capacity from 25 to 100 m.b.h.

The line provides a wide variety of standard installation arrangements: non-recessed, semi-recessed, fully recessed, universal and built-in models for wall, floor or ceiling mounting. A full selection of intake and discharge locations has been provided, making the units suitable for almost any architectural problem in both new and existing buildings. The units can be operated by pneumatic, electric, electronic, or manual controls.

ILG ELECTRIC VENTILATING CO., 2850  
N. Pulaski Rd., Chicago 41, Ill.

THE SCHOOL EXECUTIVE



## What is it?

See it at the show!

Find out how this and other outstanding engineering achievements provide a spectacular adjustment range for school furniture!

**AASA SHOW**  
**FEBRUARY 14-18**  
**BOOTHS #1417-19-21-23-25**

# PEABODY

THE PEABODY SEATING COMPANY, INC., North Manchester, Indiana

DIVISION OF



• NEW CASTLE PRODUCTS, INC.

**Shelf Rack****SE-420****With Corrugated Aluminum Shelves**

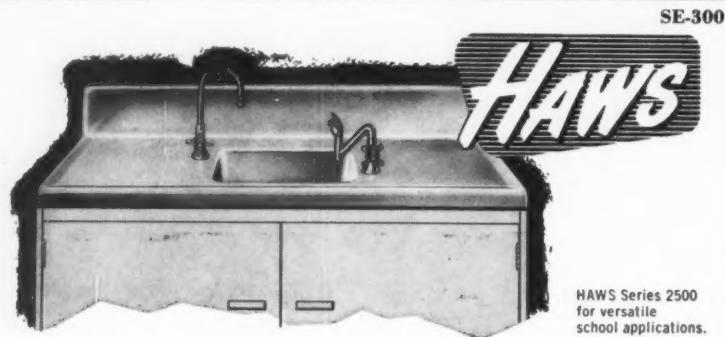
The Model 270 Horizontal Shelf Rack is available with a choice or combination of three types of shelving: solid sheet aluminum or stainless steel, copper nickel plated steel wire rod or corrugated sheet aluminum. Each shelf lifts off without removal of screws or bolts. In a matter of minutes, the shelves can be changed or removed for cleaning.

Versatility is the result of the three types of shelving. The 270 Racks can be used not only as storage racks, as any

others with solid shelves, but also as cooling racks or in freezing or retarding rooms when equipped with wire rod shelves and as cooling, drying or draining racks when furnished with corrugated shelves.

Two models are available. The Model 270-4 has 4 shelves, each 17" apart; the 270-3 is a 3 shelf unit with spacing 26½" between shelves. The bottom shelf of each is 12" from the floor.

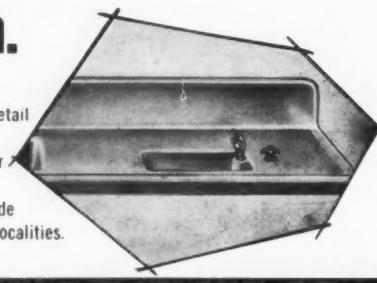
**CRESCENT METAL PRODUCTS, INC.,** 18901 St. Clair Ave., Cleveland 10, Ohio.

**SE-300**

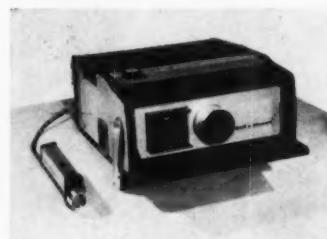
HAWS Series 2500  
for versatile  
school applications.

**ONE-PIECE INTEGRAL UNIT**  
deck-top, receptor and fountain  
in lightweight, tough fiberglass.  
Color, too, at no extra cost.  
Look—no rims, no cracks, no  
joints. It's all One Piece for  
ultimate ease of maintenance  
and sanitation.

Get the full story: write for detail sheets for Series 2500. A drinking fountain separate from main receptor is provided on Series 2700 "two receptor" units, to meet code requirements of certain localities.

**DRINKING FAUCET CO.**

1443 FOURTH STREET (Since 1909) BERKELEY 10, CALIFORNIA

**Slide Projectors****SE-421****Feature Slim-Line Styling**

A new line called the Explorer series has been announced by Bell & Howell. Completely automatic, the new projectors feature swing down front and rear panels, illuminated dashboard controls at the back of the machine, and a remote control system that permits slides to be moved in reverse as well as forward at the touch of a button.

All models in the line have a built-in slide "editor," permitting slides to be rearranged even during the slide show while the tray is in the projector. The new, functional styling in the projector series permits hot air exhaust to be expelled at the side of the machine away from the slide projectionist.

**BELL & HOWELL**, 7100 McCormick Rd., Chicago 45, Ill.

**Polisher-Scrubber****SE-422****For Floor and Rugs**

Model PRO-13 combines the important features and scrubbing performance of the Hild Deluxe line in a new low cost 13" machine. Features include a powerful  $\frac{1}{3}$  hp motor, helical cut gears, adjustable handle, momentary contact safety switch, etc.

**HILD FLOOR MACHINE CO., INC.**, 1217 W. Washington Blvd., Chicago 7, Ill.

# Bounce on it!

and Feel the Cushioned Flex of KREOLITE Gym Floors

With apologies to Pepsi-Cola, we are saying "KREOLITE, the floor with more bounce to the ounce".

It so aptly describes KREOLITE FLEXIBLE STRIP End Grain Wood Block Flooring with its built-in cushioning resiliency.

Kreolite has other most wanted features that make it a better gym floor; Durable Beauty, Easy and Economical to install and maintain . . . it's safer too, because it's splinter-proof.

Liked by players and coaches and preferred by budget conscious school officials, Kreolite will prove to be the most satisfactory floor you ever specified. Write today for performance data and specifications. Take your first step to better floors for gyms, multi-purpose rooms or shops.

**KREOLITE FLEXIBLE STRIP  
END GRAIN FLOORING**

THE  
JENNISON-WRIGHT  
CORPORATION  
TOLEDO 9, OHIO

SE-302

**Incomparable Comfort**

- Large, comfortable, contour shaped seats — 15 1/2" wide x 16" deep
- Deep, curved, correct posture backrests for full back support
- Ample hip room between side frames
- Extra thick foam rubber cushioned seat on No. 103 upholstered model



NO. 101



NO. 102

You get **MORE** when you insist on

**KRUEGER TUBULAR STEEL CHAIRS**

- MORE STYLES IN EVERY PRICE RANGE
- MORE STRUCTURAL FEATURES OF IMPORTANCE
- MORE SEATING VALUE FOR YOUR DOLLAR



NO. 103

**Safety Engineered**

- Safety folding hinges prevent finger pinching
- No sharp edges — all are fully roll-beaded to prevent injury
- Non-tipping Y-type design permits unbalanced sitting — well forward or far back on seat
- Chairs cannot accidentally collapse

**Built to Last for Years**

- Heavy 18-gauge electrically seam welded tubular frames
- Built-up seat-spacers for stronger pivot rod weight bearing points
- Tubular leg stretchers and frame bracers — solid pivot rods
- L-shaped steel cross brace beneath seat for added support



NO. 81



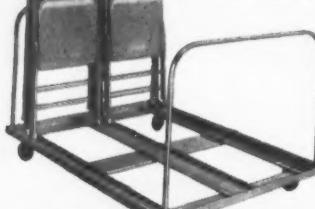
WRITE FOR NEW  
GENERAL  
COMPLETE  
LINE CATALOG



NO. 82

**Demountable****CHAIR TRUCKS**

Seven standard sizes hold both X-type channel or Y-type tubular chairs — upright or horizontal. Regular or under-stage models. Demountable ends and exclusive chan-angle frames permit stacking empty trucks one on the other.



**KRUEGER**  
METAL PRODUCTS • GREEN BAY • WISCONSIN

SE-303

**INDOOR and PARADE  
SCHOOL FLAGS  
and BANNERS**

For the best in value, quality and price, specify Dettra flags and banners in these exclusive materials—

**PARADES AND INDOORS**

Royal Oaks Rayon — superb heavy "Cordura" taffeta for finest flags obtainable.

Glory Gloss Acetate — lustrous medium weight flag taffeta for indoors and parade use.

**OUTDOOR FLAGS**

Bulldog Bunting — exceeds U. S. Government specifications which were issued on the strength of Bulldog Bunting's superiority.

Dura-Lite Nylon — strongest, most durable flag material for outdoor use. Outwears all other standard flag fabrics.



SEB

**DETTRA  
FLAG CO., INC.  
OAKS, PENNSYLVANIA**

Flagmaker to America  
for more than 50 years.

SE-304

**GATES  
PARTITIONS**

**folding gates**  
Acorn Wire and Iron Works  
NEW YORK - CHICAGO - LOS ANGELES

**for  
Schools**  
SINCE 1913

**wire mesh partitions**  
Acorn Wire and Iron Works  
NEW YORK - CHICAGO - LOS ANGELES

**Acorn Wire and Iron Works**

4940 S. Kilbourn Avenue • Chicago 32 • Ludlow 5-0600  
NEW YORK  
101 Park Avenue  
Murray Hill 9-7370

LOS ANGELES  
1709 W. Eighth Street  
Hubbard 3-4747

IN  
CLASSROOM  
AND  
OFFICE



H-O-N FILES add to the quietness of a room. Two fine suspension file lines . . . each equipped with nylon roller cradles . . . give whisper smooth action.

H-O-N GIVES YOU A BIG



H-O-N STORAGE AND WARDROBE cabinets come in a complete selection of 31 different models. Sturdy, attractive units that meet every requirement, handsomely.

**H-O-N GIVES YOU A BIG PLUS IN VALUE & FUNCTION**



H-O-N BOOKCASES are made in two sizes: 30 inch and 48 inch high. Economically priced, they are used in many schools. A choice of glass doors, steel doors or open front.

IN VALUE & FUNCTION



H-O-N NEW DESK LINE has trim, modern styling of distinguished character. Available in both the single and the double pedestal models. Patent Applied For

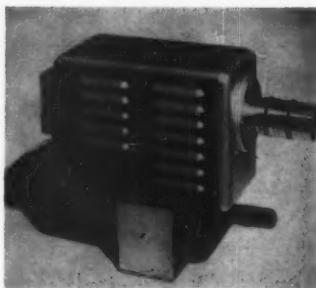
SEE H-O-N EQUIPMENT IN BOOTH 1123 AT NEA SHOW • ATLANTIC CITY • FEB. 14 to 18

THE **H-O-N** CO.  
OFFICE EQUIPMENT  
MUSCATINE, IOWA

### Automatic TV Camera SE-423 Is Simple To Operate

Model 63A is Dage's newest, completely automatic TV camera being marketed for educational use. The camera automatically accommodates a light range of 120 to 1, with 50% change in video output level. This is equivalent to automatic adjustment of lens stops from f/1.5 to f/16. In addition, it automatically self-adjusts beam, target and electrical focus circuits to optimum values.

All Model 60 cameras can be easily



installed, to make out-of-sight or hard-to-reach locations instantly available.

SE-306



... to meet the specific language teaching needs of  
George Reed Jr. High School, New Castle, Del.

another

## MRI language laboratory

This 31-student position language-teaching unit—complete from Console to compartments—was designed, built and installed by Magnetic Recording Industries.

Tell us *your* language-teaching needs. We will custom-tailor techniques and equipment to assure the most effective use of teachers' time and students' learning abilities.

**Write today for planning form  
and descriptive literature.**

## Magnetic Recording Industries

126 Fifth Avenue, New York 11 • ALgonquin 5-7250  
MRI Language Specialists available in your area for consultation.

Over a decade  
of Language-  
Laboratory  
experience

Operations which are widely separated, or processes which must be observed quickly and often, can be accurately, instantly viewed from one or more TV monitor locations.

Model 63A is supplied in a blue-gray hammertone case measuring 6 3/4" high by 5 1/8" wide by 11-3/16" long. It weighs only 10 lbs.

DAGE TELEVISION DIV., THOMPSON PRODUCTS, INC., Michigan City, Ind.

### Turret Lathe SE-424 Accurately Machines Small Parts

The Challenge 625 Precision Turret Lathe is a small fast machine with a maximum collet capacity of .625 inches. It has a range of six speeds forward and reverse with speeds available from 720 to 2640 rpm with one motor and 1128 rpm to 5275 with another.

Special features of the new machine are the rapid indexing control which enables the operator to return the turret to the starting position, regardless of the number of operations performed, simply by lowering the control handle. Another feature is a steady rest which permits accurate centering of parts to be machined. Holding of parts accurately to within .0002" is possible with this unit. The steady rest also opens and closes automatically at the start of the cutting cycle.

THE CHALLENGE MACHINERY Co.,  
Grand Haven, Mich.

### Emergency Lighting Unit SE-425 Provides Emergency Lighting Instantly

Light Warden Model 10 uses a standard 7 1/2 volt dry battery as a power source and operates from the regular 115 volt AC circuit, providing emergency lighting instantly and automatically whenever the regular source of power fails. When the attachment plug is removed from the outlet it can be used as a portable handlamp. It contains a convenient carrying handle and a fingertip on and off switch. The steel box is furnished with two key-hole slots for convenient wall mounting. The front hinged cover permits easy battery installation and replacement. The 6" head is protected by a wire guard and adjustable to any desired direction.

The unit, which will provide approximately three hours of continuous emergency light, is designed to prevent panic and orderly evacuation of the premises when unexpected power failures occur.

ELECTRIC CORD Co., 21 Spruce St.,  
New York 38, N. Y.



*Your whole school is*

# Happy with GRIGGS

## GRIGGS TEMPO TABLE NO. 980

In every room in your school Griggs Tempo Tables and Chairs add the comfort and good looks that please students and teachers — the economy that pleases value-minded administrators. The versatile Tempo No. 980 Table is adaptable to classroom, library, cafeteria, and office. All-welded tubular steel frame, rubber cushioned steel glides and plastic top all add up to a lifetime of service. Ask your Griggs distributor to show you the many extra-value features. Write for Catalog.



Visit the  
AASA Exhibit,  
Atlantic City,  
Feb. 14-18

PLANTS IN BELTON, TEXAS AND SELMA, NORTH CAROLINA

*No. 1 in America's Schools!*

Key Controlled School's master key opens every locker.

No. 1525—Thousands of combinations, with 3-number dialing, protect the student—yet only one school-owned master key opens every locker.

No. 1500—Same as No. 1525, but without key-control.

FREE—4 page folder with complete information on both No. 1525 and No. 1500. Write today to Dept. 8.

Master Lock Company, Milwaukee 45, Wis. World's Largest Padlock Manufacturer

You don't have to do this with

**HUSSEY**  
SAFETY SEATING  
**CLOSED DECK**  
"ROLL-OUT" GYM SEATS

Besides being easier and more economical to clean and maintain, they are safer. Hussey's exclusive box girder construction and new positive locking device give extra security. These are two reasons why 60 out of 64 leading U. S. architects state they prefer closed deck seating. Only Hussey manufactures Closed Decks.

Write for FREE catalog

Hussey Mfg. Co., Inc., 590 R. R. Ave., North Berwick, Maine

**KURB DRESSER**

A park department official recently testified that one "Kurb-Dresser" does the work of 12 men using conventional equipment—freeing these men for other maintenance work. This rugged, tractor-drawn industrial edger can easily slice through a 4" soil build-up, or as deftly trim random grass runners, overlying curbs, sidewalks, highways, driveways, airstrips, etc.—at speeds up to 15 miles per hour.

"Kurb-Dresser" fits any three-point-hitch tractor. Blade automatically holds steady course even if tractor path deviates as much as 16 inches. Either flush-cuts or simultaneously cuts-and-troughs, on dry or wet turf. Operates with or against traffic; from street or turf areas. Non-spinning cutting blade safeguards operator and bystanders against danger from flying debris!

Whether you edge weekly, or "clean-up" only once a year, "Kurb-Dresser" pays for itself again and again. Sold nationally through leading turf-equipment distributors. Full details sent, or demonstration on request.

SE-312  
**EDGES 80 MILES OF TURF PER DAY!**



**FREE**  
DEMONSTRATION,  
LITERATURE,  
SPECIFICATIONS,  
QUOTATIONS

Send detailed "Kurb-Dresser" information.  
 Arrange a convenient demonstration.

\_\_\_\_\_ is the best time for me.

Name \_\_\_\_\_

Title \_\_\_\_\_

Firm \_\_\_\_\_

City & State \_\_\_\_\_

Address \_\_\_\_\_



MANUFACTURING  
COMPANY

C 1959

CLEBURNE,  
TEXAS



## FOLDING PEDESTAL BANQUET TABLES

### SOLD DIRECT

Over 50 years experience and service back Monroe Folding Tables and Chairs to products. Largest factory in the world selling folding tables direct to schools, churches, lodges, clubs, hotels, and other institutions.

### Factory Prices and Discounts

Our catalogs are our only salesmen. Our manufacturing and distribution savings are passed on to the organizations and institutions, like the over 51,000 whom we have served.

### All Steel Folding Chairs

Monroe-Approved designs in attractive styles, sizes, and prices. Excellent in performance, durability, and ease of handling.



### Transport Trucks For Tables and Chairs

Any room set up in a jiffy. One man can do it. For both moving and storing. Model TSS shown.



### Portable Partitions

Partitions in tubular steel frames, on swivel gliders or casters. Idle space converted to useful areas. Also chalkboards, filing cabinets, cork tack boards as shown.

THE MONROE COMPANY 66 Church St. COLFAX, IOWA



MONROE  
Deluxe  
30x96 in.  
30 in. high

Easily Seats 10  
(5 on each side)

Maximum seating capacity and comfort. Exclusive MONROE folding steel pedestals eliminate knee interference. Pedestals 12 inches wide and only 29 inches high. Ideal for multiple dining and recreational activities. This model offered in 8 sizes, shown in Monroe's High-Tempered Masonite (as shown), Ornacel, Bion-D and Melamine Plastic.

### Monroe Fold Lite Utility Tables

Conventional steel folding legs. 16 sizes from 32" x 32" up to 8' x 10' and 4' x 8', special sizes to order. Masonite and Ornacel Bion-D tops.



### Adjustable Height Folding Tables

Can be adjusted any height 20 to 30 inches. Folding pedestals or legs. No tools required. Will not slip or collapse.



### Monroe Folding Risers and Platforms

Most modern staging choral groups, etc. Ruggedly built sections with steel folding legs. Many standard settings or specials to order.

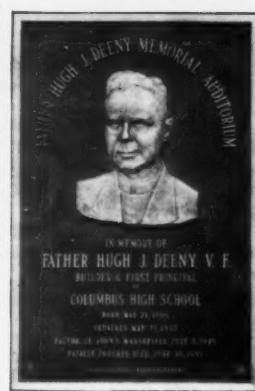
### COMPLETE CATALOG FREE

House, purchasing or kitchen committees of churches, schools, clubs, lodges, etc. Write at once for Monroe's Free Library Catalog in colors. Complete prices, discounts and terms. Address:

## NEW, SIMPLER, FASTER School VISION TESTER

Write today for BROCHURE  
giving essential information  
about this new instrument!

**Tutus** OPTICAL COMPANY, INC.  
Petersburg, Virginia  
World's Largest Independent  
Manufacturer of  
Ophthalmic Lenses.



IN MEMORY OF  
FATHER HUGH J. DEENY, V.F.  
BUILDER & FIRST PRINCIPAL  
COLUMBUS HIGH SCHOOL

BORN MAY 21, 1898

DECEASED MAY 19, 1955

FATHER JOHN'S MASSANETTE, 1955, 8,700

FATHER PIERRE, 1955, 10,000

## BRONZE OR ALUMINUM MEMORIALS • PORTRAIT TABLETS DONOR PLAQUES • HONOR ROLLS ORNAMENTAL LIGHTING FIXTURES

in Bronze, Aluminum, Stainless Steel, Wrought Iron

## ARCHITECTURAL BUILDING LETTERS

Illustrated Catalogs Sent on Request



MEIERJOHAN-WENGLER

1102 W. 9th St. CINCINNATI 3, OHIO.



## FREE! First Aid Film "Help Wanted"

Including the new back-pressure, arm-lift method of artificial respiration

This up-to-date film contains all of the important information on basic principles of First Aid, and also demonstrates new artificial respiration method approved by the American Red Cross.

The only cost for this 34-minute 16-mm. sound film is return postage.

**Johnson & Johnson**

### Education Department

Johnson & Johnson, New Brunswick, N. J.

Please send me information on the film "Help Wanted."

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

Zone \_\_\_\_\_ State \_\_\_\_\_

## AUDIO-VISUAL AIDS

### SE-501 Lunch Problems

A 23-minute color filmstrip *Solving School Lunch Problems with Paper* is now available to school lunch managers and superintendents. Presenting a nation-wide review of recent developments in the school lunch field, the filmstrip includes ideas on preportioning, portion control, making use of a central kitchen, increasing milk and juice consumption, more attractive food displays, cost studies and techniques for setting up an all-paper kitchen, plus paper service for after-school functions. FIELD RESEARCH DIV., PAPER CUP AND CONTAINER INSTITUTE, 342 Madison Ave., New York 17, N. Y.

### SE-502 English Literature

Filmstrips designed as introductions to English literature are among the latest teaching aids comprising the 1958-59 expansion of United World Films' activities in producing and distributing for schools and colleges. Filmstrips include *A Tale of Two Cities*; *Oliver Twist* and *Great Expectations*; *Hamlet* and *Henry V*. UNITED WORLD FILMS, INC., Educational Dept., 1445 Park Ave., New York 29, N. Y.

### SE-503 Mimeographing

*Mimeographing Techniques* demonstrates the complete process of typing a mimeograph stencil, from cleaning the typewriter keys to using a mimeoscope for hand let-

tering. The step-by-step procedure of running off copies on a modern electric mimeograph machine is shown in detail. 15 minutes in length. BAILEY FILMS, INC., 6509 De Longpre Ave., Hollywood 28, Calif.

### SE-504 Audio-Visual Catalog

CRS 1959 *Audio-Visual Catalog* (9th annual edition) has just come off press. The edition presents approximately 1000 carefully chosen phonograph records and filmstrips from many manufacturers. Listings are arranged by subject area and grade levels suitable for use in kindergarten through college level and covers such categories as square dancing, language arts, rhythms, social studies and science. CHILDREN'S READING SERVICE, 1078 St. John's Place, Brooklyn 13, N. Y.

SE-317

## Floor Machine re-waxes, polishes and vacuums...all in a single pass



CUSTODIAN MERELY GUIDES Tennant Model "E" Floor Machine as it buffs off dirt and applies renewal coat of wax. Vacuum picks up dust and dirt!

In a fast, single operation, the 21" TENNANT Model "E" applies dry renewal wax, buffs it to a rich luster, and vacuums up dust and dirt!

School custodians find they can maintain hallways, gyms and classroom floors in about one-third the usual time and often with less than one-half the usual cost for wax!

#### Cleaning cylinder works fast

High speed cleaning cylinder revolves at 1135 rpm. Rapidly buffs off dirt and applies tough, smooth coat of protective wax—polished to a uniform gloss. No rings or swirls as with other floor machines.

#### Picks up dust and dirt

Powerful 265 cfm vacuum picks up dust and dirt that ordinary machines leave on the floor. Self-propelling action plus light weight (less than 100 lbs.) gives excellent handling ease.

Just guide it forward as it quickly cleans, re-waxes and polishes a sparkling 21" path!

**WRITE for illustrated bulletins.** When you get details on the TENNANT "E" Floor Machine, ask, too, for the money-saving story on TENNANT's new No. 15 Heavy-Duty Floor Seal . . . the amazing *Tennant System* discovery that has TWICE the life of most other heavy-duty floor seals! G. H. Tennant Company, 729 N. Lilac Drive, Minneapolis 22, Minnesota.

### VACUUMIZED FLOOR MACHINES

SPECIALIZED MAINTENANCE EQUIPMENT  
POWER SWEEPERS • FLOOR MACHINES • HEAVY DUTY FLOOR SEALS • V-MOPS

tering. The step-by-step procedure of running off copies on a modern electric mimeograph machine is shown in detail. 15 minutes in length. BAILEY FILMS, INC., 6509 De Longpre Ave., Hollywood 28, Calif.

### SE-505 Science Series

*Our Sky* is a new set of four color filmstrips in the series *Why's of Elementary Science* produced by Filmstrip House. The set consists of *What We See in The Sky*, *Our Solar System*, *The Earth in Motion* and *Our Moon*. Rockets and space travel are covered along with the basic principles of elementary astronomy. FILMSTRIP HOUSE, 347 Madison Ave., New York 17, N. Y.

### SE-506 16mm Check List

*Films On Music and Dance* is the title of a new 12-page folder listing more than 40 features and shorts for the 16mm field: the features for rental, the shorts for rental and sale. It includes the selection of prize-winning sound films in color and black and white, opera and concert features, music biographies, dance films (ballet, folk and ethnic, modern, pantomime); shorts on jazz, folk songs, chorus and instrumental music; and music films for children. BRANDON FILMS, INC., 200 W. 57 St., New York 19, N. Y.

### SE-507 Educational Films

The following are the new titles of teaching films made available by Encyclopaedia Britannica Films: *Puss in Boots; Mother Cat and Her Baby Skunks; Learning About Leaves; Children in Autumn; Roy: Sheepdog of the Scottish Highlands; and Children of Scotland*. ENCYCLOPAEDIA BRITANNICA FILMS, 1150 Wilmette Ave., Wilmette, Ill.

### SE-508 Farming

*From This Land*, a 16mm color motion picture about American farming, is available. The 15-minute film shows how conservation, modern farming techniques, crop rotation, science, and mechanized heavy-duty equipment have contributed to the film. The story is told to a young boy by his father as the camera shows scenes of American farmland under cultivation, harvesting of crops, movement of produce to market, the working of the soil by tractor and other units, and the yield that various parts of the country produce. ASSOCIATION FILMS, INC., 347 Madison Ave., New York 17, N. Y.

# ARNCO

rings the bell for  
practical, low cost  
school wardrobes!

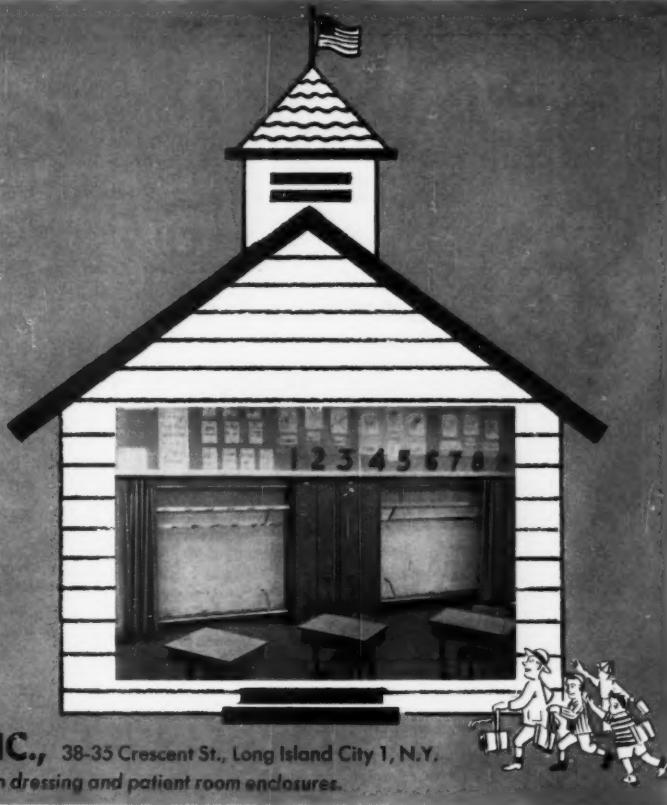
Here's a school wardrobe that has everything! Compact . . . easy to install . . . this good-looking hat and coat rack is finely engineered in non-peeling alumilite finish, lasts indefinitely. Furthermore . . . it becomes a marvelous space-saving unit when combined with the spacious teacher's wardrobe and supply closet and smooth, fire-proof gliding curtaining.

From every angle . . . this convenient, durable, low-cost school wardrobe represents an unbeatable buy!

Write for folder.

**A. R. NELSON CO., INC.**, 38-35 Crescent St., Long Island City 1, N.Y.

Write for cubicle circular on dressing and patient room enclosures.



It takes a lot of little things to make the **BIG DIFFERENCE**

**They're IDEAL**

**Metwood**  
**hanover**  
**FOLDING TABLES**

with  
exclusive  
TRI-BALANCE  
STRENGTH

•  
**Metwood  
Mfg. Co.  
Hanover,  
Pa.**

Tri-Balance strength is just one reason why professional buyers prize Metwood products. Precise attention to every detail and pride of craft add up to the big difference! High-pressure plastics, masonite, and plywood tops. Write for literature without obligation—on folding tables, benches, stage units.

February, 1959



**THE**  
**Teeter-Whirl**  
*watch the kids Teeter and Merry Go Round*  
**CHILDREN LOVE THIS SAFE, STURDY,  
LOW COST PLAYGROUND DEVICE!**

The new Teeter-Whirl is an excellent addition to any playground. Children get variety, cooperative training on this two-in-one device—and they love it! Needs no installation, minimum maintenance. Heavy all-welded tubular steel construction, wooden seats, life-time mechanism. Write direct to:

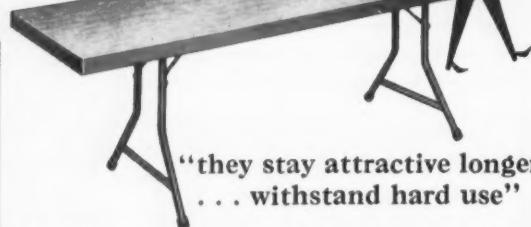
MURPHY  
PLAYGROUND  
EQUIPMENT DIV

**Rolfe** PRODUCTS CO. MASON CITY, IOWA

Certainly!

## CLAPPER'S FOLDING TABLES

"are the finest you'll find for schools . . . anywhere"



"they stay attractive longer . . . withstand hard use"

The rugged construction and functional beauty of Clapper's Tables make them stand out in countless school installations across the country. Their permanently smooth, Self-Edge formica tops stay bright and sanitary . . . the heavy enameled understructure stays locked and rigid. Clapper's Tables are practical, economical and in the widest choice of colors. Standard sizes . . . full 30" high . . . corrosion proof exposed surfaces.

Other table equipment available. Write for Illustrated Catalogue FREE



411 LINCOLN AVE.

MEYERSDALE, PENNA.

"Clapper's Equipment Distributed Nationally"

## LOW COST INCINERATOR



BURNS  
TRASH  
SAFELY  
OUTDOORS

Only \$110.00  
COMPLETE

### NO INSTALLATION COST

Burn wrappings, sweepings, papers, cartons, packing, rags, food waste, safely outdoors. Scientific draft control ends fire hazards of flying ash, sparks, burning blowing papers. Burns damp, green, or dry refuse to fine ash in any weather. Minimizes smoke and smell, needs no watching. Safe for use 10' from buildings. Stands 52" high x 35" square at base. 10 bushel burning capacity. Complete with hinged hood, ash pan base and grate and cleanout door. Made of aluminumized steel (molten aluminum bonded to steel) with replaceable inner steel panel construction for long life. Shipped assembled—weight 170 lbs. Only \$110.00 F.O.B. Cleveland. Satisfaction guaranteed. Other sizes available.

Write  
for  
FREE  
Folder

Dept. SE-2

ALSTO COMPANY

4007 Detroit Ave. Cleveland 13, Ohio

SE-321

SE-323

# Dans

603 Different Kinds and Sizes



Angel Food	Dish	Pudding
Bake	Display	Refrigerator
Biscuit	Fry	Removable
Bun	Individual	Bottom
Bread	Patty	Roast
Cake	Meat Loaf	Sauce
Cheese	Muffin	Sauté
Counter	Omelet Fry	Steam Table
Crepe Suzette	Patty	Tea Cake
Cup Cake	Pie	Veal Loaf

### A Few of the 50,000 Items Sold by DON

These pans are among the many supplies, equipment and furnishings required in the preparation and serving of food and in the maintenance of your school, college, orphanage, hospital, hotel, motel, club, restaurant, industrial cafeteria or institution. On everything—satisfaction is guaranteed or money back.

Ask for a DON salesman to call to talk pans and your other needs.

EDWARD DON & COMPANY

GENERAL HEADQUARTERS—2201 S. LaSalle St.—Chicago 16, Ill.  
Branches in MIAMI • MINNEAPOLIS-ST. PAUL • PHILADELPHIA

SE-324

## HOLDEN PATENT BOOK COVER COMPANY

Manufacturers and Distributors of

HOLDEN BOOK COVERS—recognized as the Standard for Quality for over eighty years.

HOLDEN PORTFOLIOS—made of the same quality of paper as the Book Covers, and especially designed to meet the needs of students in art and music departments.

HOLDEN REPORT CARD ENVELOPES—thumb-cut and made of the same material.

KOMET—a liquid plastic preparation which provides a quick and permanent method of repairing books. It will repair torn pages, loose pages, loose bindings, and will bind a number of sheets together.

Samples on request

## HOLDEN PATENT BOOK COVER CO.

SPRINGFIELD 1, MASS.

# SALES AGENTS

## Exclusive Sales Territories

Men with selling experience in the school, industrial and institutional field are being assigned exclusive sales territories for old, established company.

No capital investment required. Complete factory training given men who qualify.

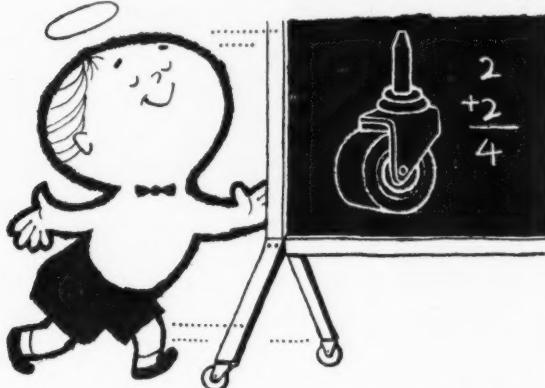
*Wire or Write to*

**E. M. BURKE, Sales Manager**  
Aeroshade Division

**Consolidated General Products, Inc.**

P. O. Box 559

Waukesha, Wis.



## School furniture mover

Modern schools don't stand still. Displays go on tour. Pianos move from room to room. All kinds of equipment is used more effectively when it's easy to move.

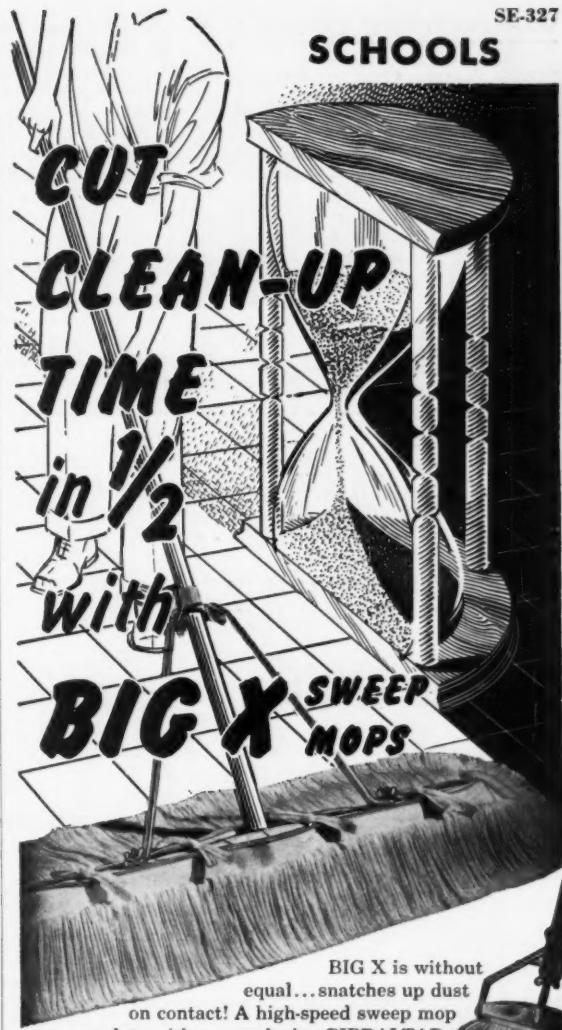
That's a job for Bassick casters...making things easy to move. Bassick soft tread or "non-marking" composition wheels protect floors...even the newer floor coverings. Bassick quality construction assures easy swiveling, smooth rolling, long life and low maintenance. Ask your Bassick distributor about casters with wheel brakes to hold equipment steady between trips. **THE BASSICK COMPANY**, Bridgeport 5, Conn. In Canada: Belleville, Ont. 9-7

See our catalog  
AMERICAN  
STANDARD  
UNIVERSITY  
or write for copy

Symbol of  
**SW**  
Excellence  
A DIVISION OF  
**STEWART-WARNER CORPORATION**

February, 1959

## SCHOOLS



BIG X is without equal...snatches up dust on contact! A high-speed sweep mop complete with our exclusive GIBRALTAR brace...Amazing durability...Available in widths up to 5 feet!

### VICTORY Wet Mops

Cost least to use because of their high efficiency and double-length life...16-ply cable-twist live, long-fibre yarn...Very, very durable. Very, very popular!



### HOLZ-EM Applicators

So well known they need no praise. Used by more professional floor finishers than any other applicator. You, too, will say they're in a class by themselves.

*Order* **AMERICAN STANDARD** products from your regular supplier. He has them or can get them for you. If not, write us direct.

**"TOPS IN MOPS"**  
**AMERICAN STANDARD MFG. COMPANY**  
Incorporated 1908

CHARLES E. KREBS and WALTER O. KREBS  
2507 SOUTH GREEN STREET • CHICAGO 8, ILLINOIS



## MANUFACTURERS' CATALOGS

### SE-509 Vacuum Cleaning Systems

*Catalog No. 160.* The Spencer Turbine Company has issued a new eight-page brochure on Installed Vacuum Cleaning Systems for use in schools. Included in the catalog are details of the system and its many uses, illustrations and information on installations and descriptive diagrams of the system. THE SPENCER TURBINE CO., Hartford, Conn.

### SE-510 Low Brightness Lens Panel

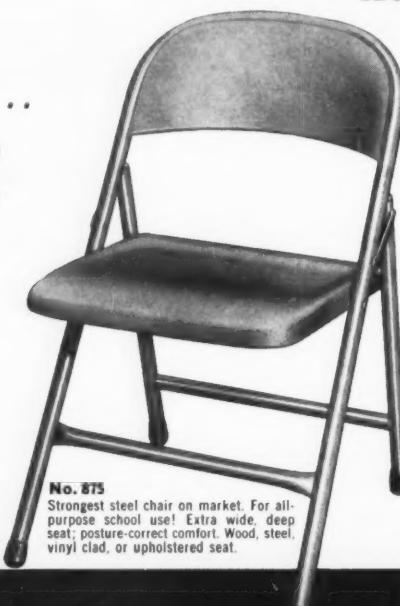
*Bulletin L-11p-Q.* A six-page illustrated bulletin on the new commercial lighting

glass, Crystopal No. 71, has been issued by Corning Glass Works. The new low brightness lens panel of water white crystal with opal added was developed to provide uniform, brightness-controlled illumination. Suggested specifications, tables for calculating illumination levels and photometric data are included in the bulletin. CORNING GLASS WORKS, LIGHTING SALES DEPT., Corning, N. Y.

### SE-511 Aluminum Windows

A new 40-page catalog, entitled *Ualco Lifetime Aluminum Windows*, is now available. The brochure lists specifications and features, and shows sectional details and standard and modular sizes, for more

SE-328



**No. 875**  
Strongest steel chair on market. For all-purpose school use! Extra wide, deep seat; posture-correct comfort. Wood, steel, vinyl clad, or upholstered seat.

*Look at quality,  
price and utility...*  
**everything  
you want  
is in  
products  
by ...**

# Durham

THE FINEST METAL FURNITURE

**No. 875TA**  
Folding tablet armchair with wrap rack for classrooms.

**No. 868**  
Handsome decorator styling for your offices and special conference rooms. Back and seat luxuriously Tufflex padded, rich vinyl upholstery.

**No. 555 STACK CHAIR**  
New stack chair, ideal for libraries, cafeterias, etc. Mar-proof, vinyl clad back and seat! Standard 18" dining height. Weighs only 11 lbs. Large seat, over 14" x 14". Rubber bumpers for stacking. Heavy duty permanent chair with folding chair convenience and economy.

**SPACE C-49**  
Civic Auditorium, Atlantic City, Feb. 14-18, AASA Convention

Write for Catalogs of America's Most Complete Line of Metal Furniture

DURHAM MANUFACTURING CORP. • MUNCIE, INDIANA

**TESTED  
AND APPROVED  
BY LEADING  
INSTITUTIONS FOR  
OVER 50 YEARS**

than twenty types of windows in the Ualco line. SOUTHERN SASH SALES & SUPPLY CO., INC., Sheffield, Ala.

### SE-512 Laboratory Apparatus

*Pamphlet GS-6.* Central Scientific Co. has published a 14-page pamphlet which will help general science teachers select apparatus and supplies for various classroom experiments. More than 500 laboratory items for junior and senior high school general science courses are listed in the pamphlet. CENTRAL SCIENTIFIC CO., 1700 Irving Park Road, Chicago, Ill.

### SE-513 Office Accessories

*Accessories Catalog 59.* A new two-color catalog covering the 1959 line of office accessories manufactured by Delta Products has been announced. The catalog includes a new line of formed plastic convenience trays, wastebaskets and letter trays in addition to chair mats, desk tops and office signs. DELTA PRODUCTS, DIV. OF AIR ACCESSORIES, INC., P. O. Box 1440, Fort Worth, Tex.

### SE-514 Ceiling Systems

Three new ceiling systems recently introduced by Smithcraft Lighting are described in new literature now available. Featured is information on Smithcraft Area Illumination; Smithcraft Large Element Lighting; and Smithcraft Overall Illumination. For copies of these three new folders write to SMITHCRAFT LIGHTING, Chelsea 50, Mass.

### SE-515 Paint Maintenance

*Your Next Paint Job* is an informative 16-page brochure released by The Tremco Mfg. Co. It tells how to obtain low cost painting best suited for lasting results for both interior or exterior applications. Extensively illustrated, the catalog can serve as a quick reference guide to produce a satisfactory finishing job at the lowest possible cost from every standpoint. THE TREMCO MFG. CO., 8701 Kinsman Road, Cleveland, Ohio.

### SE-516 Stage Lighting Handbook

A new stage lighting 28-page manual, designed as a guide to planning and designing modern stage lighting installations, is available from Ariel Davis Mfg. Co. The handbook is divided into two sections and features many specially prepared illustrations. The first section is titled Planning the Auditorium and Stage and the second section is titled Lighting the Stage. ARIEL DAVIS MFG. CO., 3687 S. State St., Salt Lake City 15, Utah.

### SE-517 Precision Lathes

*Sheldon 15" Precision Lathes* is a new two-color brochure featuring the Sheldon's 15" Precision Lathe, a lathe that fills the gap between conventional belt driven and geared head lathes. It combines the capacity and power of a geared head with the economy and flexibility of a belt-driven lathe. SHELDON MACHINE CO., INC., 4258 N. Knox Ave., Chicago 41, Ill.

A TOUCH OF A BUTTON

*folds away*

**THE E-Z-FOLD BASKETBALL BACKSTOP**

Shown below is Miss Lela June Stoner, girls physical education instructor at the Ellsworth (Kans.) High School, operating the switch that raises four E-Z-Fold backstops simultaneously.



Our engineering department will be glad to co-operate with the architect in suggesting layouts and in providing information.

E-Z-Fold Hoist Way type basketball backstops are operated electrically, either singly or in groups of as many as four, from one remotely controlled winch. Thus an entire gymnasium may be cleared at one time and the position of the backstops is under the control of one authorized person. The push-button and switch can be located within sight of the backstops.

Be sure to visit us at Booth A-3 at Atlantic City

**SPEARVILLE,  
KANSAS**

**SIMPLE OPERATION . . . LOW COST MAINTENANCE!**

*Montgomery*  
SYNCHRONOUS  
**PROGRAM CLOCKS**

These two factors, in city after city, are dictating the replacement of complex, elaborate, high maintenance systems with dependable Montgomery Synchronous Program Clocks. Investigate! Ask your school supply dealer or write for details.



**ONE AND TWO CIRCUIT**  
Activates 1 or 2 circuits on pre-aranged schedules, 12 or 24 hour models. Signals from 2 to 25 seconds duration. Automatic calendar switch. Set by turning clock hands; perfect synchronization. Push buttons do not disturb automatic operation. Easily installed.

**NEW! MULTI-CIRCUIT**

Operates up to 5 separate schedules on 1 to 5 groups of signals, 12 or 24 hour models. Signals from 2 to 25 seconds duration. Calendar switch regulates operation. Program mechanism and clock movements perfectly synchronized; set simply by turning clock hands. Pushbuttons do not disturb automatic operation.

**MONTGOMERY MFG. CO.**  
OWENSVILLE, INDIANA

February, 1959

SE-331

SE-330

**LIBRARY SHELVING  
YOUR PROBLEM?**



As leading library furniture specialists, we have a complete line of sectional and demountable library shelving in a wide variety of types and sizes. This shelving was especially designed by library consultants . . . is made of the finest available materials . . . is handcrafted by skilled cabinet makers. Materials and workmanship guaranteed! And yet it costs less in both time and money than inflexible low-quality "do-it-yourself" shelving! Why not write today for our illustrated catalog and compare.

**STANDARD WOOD PRODUCTS CORP.**

LIBRARY DIVISION

10 Columbus Circle • New York 19, N.Y.

"Please visit with us in Booths J23-25, NEA Show, Atlantic City"

**Save your floors. Save your furniture  
with BUCKEYE "Spring Kushion"  
NOISELESS GLIDES**

**NAIL TYPE**  
(for wood furniture)

- No. 116N 5/8" diam.
- No. 136N 7/8" diam.
- No. 176N 1-1/16" diam.
- No. 206N 1-1/4" diam.
- No. 356N 1-1/2" diam.



**LOCKING SPRING TYPE\***  
(for metal tubular furniture)

- No. 116TM 5/8" diam.
- No. 136TM 7/8" diam.
- No. 176TM 1-1/16" diam.
- No. 206TM 1-1/4" diam.
- No. 356TM 1-1/2" diam.



\*Specify I.D. & O.D. or O.D. & Ga., plus R-Round Tubing, or S-Square

Buckeye Spring-Kushion Glides are the only glides guaranteed not to come loose from furniture, thanks to these exclusive features:

- ★ a heat tempered coil of spring steel designed to outlast the life of the furniture
- ★ the deep hardened, extra-heavy gauge steel cap, nickel-plated and highly polished to take all wear, resist scuffing, last longer, look better

Available in Nickel, Brass, Bronze, Black Nickel at no extra charge.

**SEND FOR SAMPLES and QUOTATIONS TODAY**

"the glides—and the prices—are right!"



**BUCKEYE GLIDE CO., INC.**  
290 EAST 21 STREET • NEW YORK 10, N.Y.

SE-333

**Midwest CADDIES**

For easier, faster handling of FOLDING CHAIRS AND TABLES

★ Saves time!  
★ Saves effort!  
★ Reduces noise and confusion!  
★ Helps solve storage problems!

Simplify moving and storage of folding chairs and tables with a Midwest Caddy. Designed to handle all types of folding chairs and all sizes of folding tables. Adjustable models available for partial loads. Built for rugged service. Easy to handle.

COMPLETE LINE OF FOLDING TABLES

FOLDING PLATFORMS & STAGES

CHORAL AND BAND STANDS

Write for complete catalog!

**FOLDING PRODUCTS** SALES CORP  
Dept. 69A, ROSELLE, ILLINOIS

**Midwest**

**MAKE SURE IT'S READ...  
MAKE SURE IT'S A**



**DAV-SON BULLETIN BOARD**



**CHANGEABLE LETTER STYLES**  
for indoors or outdoors, with or without glass doors and lighting, metal or hardwood frames.

**TYPES & STYLES FOR EVERY NEED**  
Handsome, sturdy, highly visible and attention-compelling, DAV-SON BULLETIN BOARDS get the message across quickly and surely.

**CORK BOARDS**  
Wide selection, self-sealing, in metal or wood frames. With or without glass doors and lights.



**SEE YOUR DEALER OR WRITE DIRECT  
FOR 1959 DAV-SON CATALOG AND PRICES.**

SINCE 1932

Dept. SE

**A. C. DAVENPORT & SON, INC.**

311 North Desplaines Street • Chicago 6, Illinois • Telephone: STate 2-6683

SE-335

**ADC**

**CURTAIN TRACKS  
and  
CONTROLS**

First Choice of Stage Consultants and Architects in Leading Colleges, Universities and School Systems.

- Auditorium Stages
- Classroom Partitions
- Audio-Visual Draperies
- Cafeteriums
- Auditorium-Gymnasium Dividers

Since 1919, ADC has been setting the stage for the educational centers of America. You'll find our quality, economically-priced curtain tracks and machines adaptable to a wide variety of uses. Whatever your particular need — ADC has the answer!

Write for our catalog just published. There's an ADC dealer near you.

**AUTOMATIC DEVICES COMPANY**  
2121 So. 12th St. - ALLENTOWN, PENNA.

## POUND FOR POUND...

### Champion of the Class

The new R. C. Allen VisOmatic typewriters boast a built-in ability to take the heavy pounding and carriage-banging treatment of classroom use.

This day-in, day-out dependability . . . greatly reducing maintenance costs . . . makes the R. C. Allen VisOmatic the most preferred, practical and economical school typewriter investment.

But there's more, much more, to this new R. C. Allen VisOmatic. There's a new dual built-in card holder . . . fully automatic VisOmatic margins . . . New automatic bail . . . Velvet touch keyboard . . . Removable platen . . . Finger tip tab set and clear buttons . . . Half space escapement and margin justifier . . . plus 7 soft-tone, office-matching decor colors to choose from. Ask your local R. C. Allen dealer for a VisOmatic demonstration today.

**R.C. Allen**  
**Business Machines, Inc.**



686 FRONT AVE., N. W., GRAND RAPIDS, MICH.

Adding Machines • Bookkeeping Machines • Cash Registers  
• Typewriters • Safes and Files • Carbon Paper and Ribbons  
• Precision Aircraft Instruments

## VIEWLEX PROJECTORS are used in over 100,000 Schools



Time Tested...

Time Proven In More  
A. V. School Programs Than Any Other Projector!

### The Viewlex V-25 Combination 35mm Filmstrip and 2" x 2" Slide Projector!

Reports from leading educators and A-V directors throughout the nation affirm the fact Viewlex projectors have provided the best service of all equipment in their schools. Here are a few reasons why—

Simple Operation—the easiest, quickest threading system ever devised! Just slide the film into the projector channel and it's automatically threaded.

Sharp, Brilliant Pictures—500 watt lamp in the exclusive Light Multiplier optical system give evenly distributed light to every section of the screen . . . brilliant images even in lighted rooms.

Versatile—Project single or double frame filmstrip, vertical or horizontal, or 2" x 2" and bantam slides. Switch from one to the other in seconds without fumbling or difficult mechanical manipulations.

Cool, efficient operation—Exclusive "Venturi-Airjector" cooling system means projector is always cool—even after long periods of use. Lengthens lamp life too.

Rugged—Performance-proven to take the punishment of constant school usage without breakdown.

Other Viewlex projectors available from \$50.25 to \$495.00. Ask your Viewlex Audio-Visual franchised dealer for a demonstration, or write for catalog.



All Viewlex projectors are GUARANTEED FOR A LIFETIME.

 **Viewlex** INC.

35-02 QUEENS BOULEVARD, LONG ISLAND CITY 1, N. Y.

World's Largest Exclusive Manufacturer of Slide & Filmstrip Projectors

## NEW TEXTBOOKS

### SE-518 Home Economics Textbooks

*Lippincott Home Economics Textbooks.* This 16-page booklet contains basal textbooks, workbooks, and reference books for courses in food, clothing, home management, family relationships, child care, consumer buying, home nursing, personal regimen, etiquette, and any other regular or special courses in home economics commonly taught in junior and senior high schools. J. B. LIPPINCOTT Co., 333 W. Lake St., Chicago 6, Ill.

### SE-519 Adding and Calculator Machine Textbook

Written at the high school level, this up-to-date book has many valuable suggestions and short-cuts to top machine operations. It includes instructions for computing payrolls and rendering invoices and statements. Keyboard diagrams and actual tape examples make it easy for students to follow machine procedures. The text equips the student with a working knowledge of 10-key and full keyboard machines. The book, comprised of 17 lessons with weekly tests, constitutes a one-semester course. VICTOR ADDING MACHINE Co., Business Education Dept., 3900 N. Rockwell, Chicago 18, Ill.

### SE-520 Mathematics

*Introduction To Logic and Sets.* Robert R. Christian. This brief text presents basic ideas, vocabulary, and notations useful in most branches of mathematics. It supplements traditional courses in algebra, geometry, trigonometry, and calculus, and is suitable as a background for modern treatments of elementary probability. The basic material in the book can be covered in three or four weeks of the average freshman course. It may also be used with advanced students in high schools. Numerous exercises and examples with answers to many of the exercises are included. GINN AND Co., Boston, Mass.

### SE-521 African Sculpture

*African Sculpture* by Ladislas Segy. This inexpensive, paperbound book on African Sculpture contains more than 165 photographs of authentic masks, ancestral statues, sacred chairs, fertility figures, musical instruments, and other unusual specimens of African work in ivory, metal and wood. Most of the pieces in this work are in private collections, and have not been generally accessible to the public. 163 pages. DOVER PUBLICATIONS, INC., 920 Broadway, New York 10, N. Y.

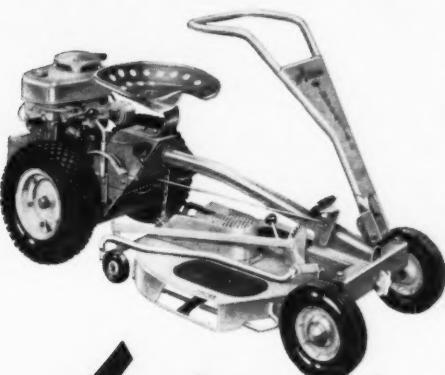
### SE-522 Spanish

*Brief Course in Spanish.* Erwin K. Mapes and Ruth House Webber. This text presents the essentials of elementary Spanish in an interesting way. It uses words and idioms of high frequency. Lessons consist of a text in Spanish, and a section each of vocabulary, grammar, and various kinds of exercises. 419 Pages. GINN AND Co., Boston, Mass.

# For tough mowing...

choose the dependable 4½ h.p.

**Ariens Imperial**  
RIDING MOWER



No other riding mower on the market equals the Ariens IMPERIAL for easy, fingertip operation . . . power to climb grades up to 50% . . . rugged construction that assures long, dependable service! Its 26-inch "Flex-N-Float" rotary mower flexes and floats in every direction to follow every ground contour without scalping . . . trims lawns velvety smooth . . . cuts tough weeds . . . climbs uphill, downhill, quartering with full stability . . . has 22" inside turning radius.

Powered by 4½ h.p. Clinton or Lauson engine, with optional 12-volt electric starting; speeds of 2, 3, 4, 5 m.p.h. forward and 2 m.p.h. reverse. Interchangeable Insta-Hitch attachments: 30" reel mower and bulldozer blade. Field tested in 36 states on every type of tough mowing job—cemeteries . . . industrial plants and school grounds . . . parks . . . golf courses . . . toll road parkways . . . estates . . . residential lawns—Ariens IMPERIAL outperformed all other riding mowers. Write for full information today!

**Ariens** / COMPANY

233 CALUMET ST., BRILLION, WIS.

SE-341

**Best for Training in Electronics**

**knight®-kits**

an ALLIED RADIO product



"Ranger" AC-DC Radio Kit  
Popular 5-tube superhet radio project. Thousands used in shop training. Teaches radio construction. Complete with cabinet. 83Y736. Only.....\$16.95



"Space-Spanner" Receiver Kit  
Exciting school project; tunes world-wide short wave as well as broadcast. Packed with interesting features. 83Y259. Only.....\$18.95

See our catalog for many  
other fine Knight-Kits



#### 12-in-One Electronic Lab Kit

Widely used by schools for instruction in electronics. Performs 12 separate experiments with only a simple wiring change required for each project (components, once mounted, need not be disassembled). Projects are: receiver, amplifier, "broadcaster", code oscillator, flasher, timer, transmitter, electronic relays, etc. With all parts, including relay, photocell, microphone. Shpg. wt., 3½ lbs. 83Y272. Only.....\$14.95



**FREE** ALLIED'S  
452-PAGE

#### 1959 CATALOG

Offers everything in electronics for the school: Knight-Kits for training; sound and recording equipment; lab instruments, tools, books, electronic parts. Write for FREE copy today.

**ALLIED RADIO**

100 N. Western Ave., Dept. S-B9  
Chicago 80, Ill.

SE-342

**Clean Floors**  
make a good impression



Cleaning floors is easy when you have the right equipment . . . and WHITE builds the finest quality Floor Cleaning Equipment. No matter how large or small the job, WHITE engineers have developed "just the thing" to do that job efficiently and easily. It will pay you to insist on WHITE when you buy floor cleaning tools.

Illustrated is the TYM-SAVER single outfit—just one of the 252 Cleaning Tools offered under one brand name.

Write for Catalog No. 156



**WHITE MOP WRINGER COMPANY**

7 MOHAWK STREET • FULTONVILLE, NEW YORK  
CANADIAN FACTORY: PARIS, ONTARIO, CANADA

**THE ONE COMPLETE LINE OF  
FLOOR CLEANING EQUIPMENT**

## INDEX TO ADVERTISERS

Acme Visible Records ..... 85  
 Acorn Wire & Iron Works ..... 156  
 Aeroshade Co., The, Div. of Consolidated General Products, Inc. 165  
 Ajusto Equipment Co. ..... 120  
 Allen Business Machines, Inc., R. C. 169  
 Allied Radio ..... 171  
 Alsto Co. ..... 164  
 American Association of School Administrators ..... 102, 103  
 AS&U American Abrasive Metals Co. ..... 84  
 AS&U American Desk Mfg. Co. ..... 22A, 22B  
 American Optical Co., Instrument Div. ..... 118  
 AS&U American Seating Co. ..... 39-42  
 American Standard Mfg. Co. ..... 165  
 Anemostat Corp. of America ..... 127  
 Ariens ..... 171  
 Associated Exhibitors of N.E.A. 102, 103  
 Audio Equipment Co. ..... 174  
 AS&U Automatic Devices Co. ..... 168  
 AS&U Azrock Floor Products, Uvalde Rock Asphalt Co. ..... 18  
 AS&U Bassick Co., The ..... 165  
 AS&U Beckley-Cardy Co. ..... 112  
 AS&U Berlin-Chapman Co. ..... 97  
 Bradley Washfountain Co. ..... 82, 83  
 AS&U Breuer Electric Mfg. Co. ..... 90  
 Brillo Mfg. Co. ..... 25  
 AS&U Brunswick-Balke-Collender Co. 108, 109  
 Buckeye Glide Co. ..... 168  
 Buckeye Glide Co. ..... ??  
 Caddy Corp. of America ..... 172  
 Childers Mfg. Co. ..... 123  
 AS&U Clapper's Mfg. ..... 164  
 AS&U Claridge Products and Equipment, Inc. ..... 105

AS&U Clarke Floor Machine Co. ..... 151  
 Corning Glass Works, Technical Products Div. ..... 37  
 Cram Co., Inc., The Geo. F. ..... 144  
 Cramer Posture Chair Co. ..... 141  
 Crescent Metal Products, Inc. ..... 169  
 Cutler Light Mfg. Co. ..... 145  
 AS&U Cutler Mail Chute Co. ..... 133  
 Davenport & Son, Inc., A. C. ..... 168  
 Decar Plastic Corp. ..... 173  
 Delkote, Inc. ..... 152  
 De Luxe Metal Furniture Co. ..... 15  
 Detra Flag Co., Inc. ..... 156  
 Dictaphone Corp. ..... 26, 27  
 Don & Co., Edward ..... 164  
 AS&U Dudley Lock Corp. ..... 150  
 AS&U Duralab Equipment Corp. ..... 100  
 AS&U Durham Mfg. Co. ..... 166  
 Eberhard Faber Pencil Co. ..... 110  
 AS&U Electromode Div., Commercial Controls Corp. ..... 13  
 Eureka Williams Corp. ..... 84  
 E-Z-Fold, Inc. ..... 167  
 Geerpres Wringer, Inc. ..... 106  
 General Motors Corp., Chevrolet Motor Div. ..... 116  
 Graflex, Inc. ..... 4  
 AS&U Gravely Tractors, Inc. ..... 169  
 AS&U Griggs Equipment, Inc. ..... 159  
 AS&U Grinnell Co. ..... 8  
 AS&U Haldeman-Homme Mfg. Co. 10, 11  
 Hamilton Mfg. Co. ..... 28, 29  
 Hampden Specialty Products, Inc. ..... 33  
 Haws Drinking Faucet Co. ..... 154

SE-343

**Dish Caddy**  
TRADE MARK

U.S. PAT. NO. 2,835,546

**for superior performance and economy...**

**SIMPLIFIES HANDLING!**

**STORES NEATLY UNDER SERVING COUNTER**

"Dish Caddy" eliminates breakage in transfer of dishes. Handles easily even when both sides of its twin compartments are fully loaded. Stores under serving counter with covers closed or open, eliminating unsanitary storage shelves. Superior all stainless steel construction, with translucent plastic covers.

MODEL T160

For further details write for folder group SE-123

**CADDY CORPORATION OF AMERICA**  
 SECAUCUS, NEW JERSEY

AS&U Heywood-Wakefield Co. ..... 91-96  
 AS&U Hillyard Chemical Co. ..... 129  
 Holden Patent Book Cover Co. ..... 164  
 H-O-N Co. ..... 157  
 Hunt Pen Co., C. Howard ..... 38  
 AS&U Huntington Laboratories, Inc. ..... 139  
 AS&U Hussey Mfg. Co., Inc. ..... 160  
 AS&U International Business Machines, Data Processing Div. ..... 34, 35  
 Interstate Adjusteze ..... 140A  
 Irwin Seating Co. ..... 146  
 AS&U Jennison-Wright Corp. ..... 155  
 Johnson & Johnson ..... 161  
 AS&U Kewaunee Mfg. Co. ..... 148  
 AS&U Keyes Fibre Co. ..... 23  
 AS&U Krueger Metal Products Co. ..... 156  
 Kurb-Dresser Mfg. Co. ..... 160  
 Loxit Systems ..... 135  
 Magnetic Recording Industries, Ltd. 158  
 Manley, Inc. ..... 111  
 Mason Candies, Inc. ..... 12  
 Master Lock Co. ..... 160  
 AS&U Medart Products, Inc., Fred ..... 14  
 Meierjohan-Wengler ..... 161  
 AS&U Metalab Equipment Co. ..... 134  
 AS&U Metwood Mfg. Co. ..... 163  
 AS&U Michaels Art Bronze Co. ..... 132  
 AS&U Midwest Folding Products ..... 168  
 AS&U Mississippi Glass Co. ..... 99  
 AS&U Mitchell Mfg. Co. ..... 104  
 AS&U Molded Fiber Glass Tray Co. ..... 124  
 Monroe Co., The ..... 161  
 AS&U Montgomery Mfg. Co. ..... 167  
 AS&U Multi-Clean Products, Inc. ..... 86, 87  
 AS&U Mutschler Brothers ..... 89  
 Myrtle Desk Co. ..... 98  
 National Audio-Visual Assoc., Inc. ..... 104  
 National Disinfectant Co. ..... 12  
 National Gypsum ..... 149  
 AS&U National School Furniture Co., Div. of National Store Fixture Co. ..... 131  
 National Super Service Co., Inc. ..... 140  
 AS&U Nelson Co., Inc., A. R. ..... 163  
 Nor-Lake, Inc. ..... 138  
 AS&U Norton Door Closer Co. ..... 101  
 Peabody Seating Co., Inc. ..... 153  
 AS&U Penn. Slate Prod. Guild, Inc. ..... 88  
 AS&U Playtime Equipment Corp. ..... 120  
 AS&U Powers Regulator Co. ..... 114, 115  
 Premier Co. ..... 126  
 Radiant Mfg. Corp. ..... 140B  
 Rauland-Borg Corp. ..... 24  
 Recreation Equipment Corp. ..... 122  
 AS&U Remington Rand, Inc. ..... 107  
 Rolfe Products Co. ..... 163  
 Royal Typewriter Co. ..... 147  
 Sani-Mist, Inc. ..... 126  
 AS&U Sanymetal Products Co., Inc., The 6  
 AS&U Sarkes Tarzian, Inc. ..... 142  
 AS&U Schieber Sales Co. ..... 137  
 Schoolco, Inc., Div. of Configured Tube Products Co. ..... 119  
 AS&U Sico Mfg. Co., Inc. ..... 30, 31  
 AS&U Singer Sewing Machine Co. ..... 36  
 Smithcraft Lighting Div. ..... 121  
 Sonotone Corp. ..... 32  
 Southeastern Metals Co. ..... 17  
 AS&U Standard Wood Products Corp. ..... 167  
 Steril-Sil Co. ..... 100  
 Tennant Co., G. H. ..... 162  
 Thompson Electric Co., The ..... 16  
 Titmus Optical Co., Inc. ..... 161  
 U. S. Ceramic Tile ..... 113  
 U. S. Rubber Reclaiming Co., Inc. ..... 110  
 Vacuum Can Co. ..... 106  
 Viewlex, Inc. ..... 170  
 AS&U Vogel-Peterson Co. ..... 122  
 West Chemical Products, Inc. ..... 81  
 West Point Products Corp. ..... 128  
 Whelan's School Equipment Div. ..... 125  
 White Mop Wringer Co. ..... 171  
 AS&U Wood Co., John ..... 2  
 World Dryer Corp. ..... 128  
 Yard-Man, Inc. ..... 117

THE SCHOOL EXECUTIVE

# PRODUCT & SERVICE INDEX—FEBRUARY, 1959

This index covers products and services referred to in both advertisements and editorial reviews in this issue. To find a particular advertisement or editorial listing, consult the key (SE number) which precedes the listing, and which will also be found above the advertisement or listing in the body of the magazine.

If further information concerning any of these products is desired, it will be sent without charge or obligation. Simply circle the identifying numbers on the back of the business reply card below and mail it to us.

SE

- 201 John Wood Waste Receptacle
- 202 Decar Plastic Tops on Peabody School Furniture
- 203 Audio Equipment Portable Megaphone
- 204 Graflex School Master Filmstrip and Slide Projector
- 205 Sanymetal Toilet Compartments
- 206 Grinnell Automatic Sprinkler Protection
- 207 Haldeman Homme Erickson Seating for Eating
- 208 Mason Fund Raising Plan
- 209 National Disinfectant
- 210 Electromode All-Electric Heater-Ventilator
- 211 Medart Telescopic Gym Seats
- 212 De Luxe Library Shelving
- 213 Thompson Servisafe Poles for Luminaires
- 214 Southeastern Metals Scholar-Craft School Furniture
- 215 Azrock Vina-Lux Vinyl Asbestos Tile
- 216 U. S. Ceramic Romany-Spartan Clay Tile
- 217 Powers Temperature Control System
- 218 Chevrolet School Bus Chassis
- 219 American Desk Quadriline School Furniture
- 220 Keyes Chinet Molded Paper Plates
- 221 Rauland School Intercommunication System
- 222 Brillo Floor Pads
- 223 Dictaphone Educational Package
- 224 Hamilton Roto-Lab for Science Instruction
- 225 Sico Multi-Purpose Table Line
- 226 Sonotone Pure-Tone Audiometers
- 227 Hampden Public Seating
- 228 International Business Machines Electric Typewriter
- 229 Singer Teaching Aids
- 230 Pyrex Durable Laboratory Ware
- 231 C. Howard Hunt "Boston" Pencil Sharpeners
- 232 American Seating Individual Study-Center
- 233 West Chemical Products Paper Towels with Cabinets
- 234 Bradley Washfountains and Showers
- 235 American Abrasive Ferrox Non-Slip Footing
- 236 Eureka Williams Starline School Furniture
- 237 Acme Visible Record Systems for Schools
- 238 Multi-Clean Gymnasium Floor Maintenance
- 239 Pennsylvania Slate Chalkboards
- 240 Mutschler School Homemaking Cabinetwork
- 241 Breuer Tornado Vacuum Cleaner for Schools

SE

- 242 Heywood-Wakefield Trimline School Furniture
- 243 Berlin Omega Ez-A-Way Folding Bleacher
- 244 Myrtle Desk Mid-Century Library Furniture
- 245 Mississippi Diffused Glass
- 246 Steril-Sil Silver Handling System
- 247 Duralab Science Room Furniture
- 248 Norton Door Closers
- 249 American Association of School Administrators Convention
- 250 National Audio Visual Association Dealers
- 251 Mitchell Fold-O-Leg Tables
- 252 Claridge Chalkboard & Cork Bulletins
- 253 Vacuum Can Insulated Carrier-Dispensers
- 254 Geerpres Mop Wringers
- 255 Remington Rand Systems and Products for School Administration
- 256 Brunswick-Balke Contemporary Classroom Furniture
- 257 U. S. Rubber Saf-Pla Tennis Court Surfacing
- 258 Eberhard Faber Chalkboard White Liner Pencil
- 259 Manley VistaPop for Popcorn Profits
- 260 Beckley Cardy Slato-Steel Chalkboard Surfacing
- 262 Yard-Man School-Quip Furniture Line
- 263 American Optical School Vision Screening Test
- 264 Schoolco School Furniture In Three Complete Lines

SE

- 265 Playtime Bleachers
- 266 Ajusto Chairs and Stools
- 267 Smithcraft Federal Fluorescent Lighting
- 268 Vogel-Peterson Wardrobe Systems
- 269 Recreation Playground Equipment
- 270 Childers Walkway Covers
- 271 Molded Fiber Glass Toteline Trays
- 272 Whelans School Equipment
- 278 Sani-Mist Protection Against Athlete's Foot
- 274 Premier Industrial Vacuums
- 275 Anemostat Air Diffusion Equipment
- 276 West Point Modern Turfgrass Tools
- 277 World Dryer Recessed Hand Dryer
- 278 Hillyard Hill-Brite Wax for Resilient and Other Floors
- 279 National Classroom Cabinets
- 280 Michaels Time-Tight Exhibit Cases
- 281 Cutler Mail Chute Letter Boxes
- 282 Metalab Laboratory Furniture
- 283 Loxit Chalkboard Installations
- 284 Schieber Folding Tables and Benches
- 285 Nor-Lake Cooling and Freezing Units
- 286 Huntington Weatherall Heavy Duty Floor Wax
- 287 National Super Service Floor Machine
- 288 Cramer Profession-L Modular Units for Classrooms
- 289 Sarkes Tarzian Educational TV
- 290 Cram Globe Ball
- 291 Cutler Light Fixtures

FIRST CLASS  
PERMIT NO. 280  
SEC. 34.9 P. L. & R.  
NEW YORK, N. Y.

B U S I N E S S R E P L Y C A R D  
No Postage Stamp Necessary If Mailed in the United States

POSTAGE WILL BE PAID BY

THE SCHOOL EXECUTIVE

470 FOURTH AVENUE  
NEW YORK 16, N. Y.

## SE

292 Irwin School Desk Unit with Monosteel Top  
 293 Royal Electric Typewriter  
 294 Kewaunee Laboratory Furniture  
 295 National Gypsum Acoustical Tile  
 296 Dudley Combination Lock  
 297 Clarke-A-matic Floor Maintainer Machine  
 298 Delkote Textbook Maintenance  
 299 Peabody School Furniture  
 300 Hawk Deck-Top, Receptor and Fountain  
 301 Jennison-Wright Kreolite Gym Flooring  
 302 Krueger Tubular Steel Chairs  
 303 Detra Indoor and Parade School Flags and Banners  
 304 Acorn Wire and Iron Gates, Partitions  
 305 H-O-N Classroom and Office Equipment  
 306 Magnetic Recording Industries Language Laboratory  
 307 Griggs Tempo Table No. 980  
 308 Interstate Adjusteze Chairs  
 309 Radiant Screens  
 310 Master Combination Padlocks  
 311 Hussey Closed Deck Roll-Out Gym Seats  
 312 Kurb Dresser Turf Edger  
 313 Monroe Folding Pedestal Banquet Tables  
 314 Titmus Optical School Vision Tester  
 315 Meierjohan-Wengler Metal Plaques, Memorials, Architectural Lettering, etc.  
 316 Johnson & Johnson First Aid Film  
 317 Tennant Vacuumized Floor Machines  
 318 A. R. Nelson School Wardrobes  
 319 Metwood Hanover Folding Tables  
 320 Rolfe Products Teeter-Whirl for Playgrounds

## SE

321 Clappers Folding Tables  
 322 Alsto Low Cost Incinerator  
 323 Edward Don Pans  
 324 Holden Book Covers  
 325 Aeroshade Offer for Sales Agents  
 326 Bassick School Furniture Casters  
 327 American Standard Big X Sweep Mops  
 328 Durham Metal Furniture  
 329 E-Z-Fold Basketball Backstop  
 330 Standard Wood Products Library Shelving  
 331 Montgomery Synchronous Program Clocks  
 332 Buckeye Noiseless Furniture Glides  
 333 Midwest Caddies  
 334 Davenport Bulletin Board  
 335 Automatic Devices Curtain Tracks, Controls  
 336 Gravely Tractors for Grounds Maintenance  
 337 Crescent Metal Racks, Carts, Cabinets  
 338 R. C. Allen VisOmatic School Typewriter  
 339 Viewlex Projectors for Schools  
 340 Ariens Imperial Riding Mower  
 341 Allied Radio Knight-Kits for Electronic Training  
 342 White Floor Cleaning Equipment  
 343 Caddy Corporation Dish Caddy  
 344 Buck Lab-Volt Power Units for Laboratories

## NEW PRODUCT REVIEWS

401 Hamilton Mfg. Laboratory Turntable  
 402 Lyon Metal Products Desks, Tables  
 403 Royal McBee Roytronic Carbon Paper  
 404 White Sewing Machine  
 405 Wayne Iron Works Rolling Gymstand

## SE

406 Caddy Corp. Motor-Driven Belt Unit  
 407 Russell & Erwin Cylindrical Lock  
 408 Grade-Aid Science Table  
 409 Lighting Products Fluorescent Lighting Line  
 410 Singer Portable Sewing Machine  
 411 Romar Pressure Filter for Swimming Pools  
 412 Penco Div. Steel Cabinet  
 413 Victory Metal Bulk Food Units  
 414 Martin Circular Saw Blade Sharpener  
 415 Edwin L. Wiegand Electric Heating Units  
 416 Bobrick Powdered Soap Dispenser  
 417 Universal Chemical Cinderblock Glaze  
 418 Equipto Steel Angles for Custom Manufacturing  
 419 ILG Air Conditioning Units  
 420 Crescent Metal Products Shelf Rack  
 421 Bell & Howell Slide Projectors  
 422 Hild Floor Machine Polisher-Scrubber  
 423 Dage Automatic TV Camera  
 424 Challenge Machinery Turret Lathe  
 425 Electric Cord Co. Emergency Lighting Unit

## AUDIO VISUAL AIDS

501 Paper Cup and Container Institute Filmstrip on Lunch Problems  
 502 United World Films Filmstrips on English Literature  
 503 Bailey Films Mimeographing Filmstrip  
 504 Children's Reading Service Audio-Visual Catalog  
 505 Filmstrip House Science Series Filmstrips  
 506 Brandon Films 16mm Check List  
 507 Educational Films from Encyclopaedia Britannica  
 508 Association Films Farming Motion Picture

## MANUFACTURERS' CATALOGS

509 Spencer Turbine Vacuum Cleaning Systems  
 510 Corning Glass Works Low Brightness Lens Panel  
 511 South Sash Sales Aluminum Windows  
 512 Central Scientific Laboratory Apparatus  
 513 Delta Products Office Accessories  
 514 Smithcraft Lighting Ceiling Systems  
 515 Tremco Paint Maintenance  
 516 Ariel Davis Stage Lighting Handbook  
 517 Sheldon Machine Precision Lathes

## NEW TEXTBOOKS

518 J. B. Lippincott Home Economics Textbooks  
 519 Victor Adding and Calculator Machine Textbook  
 520 Ginn and Co. Text on Mathematics  
 521 Dover Publications African Sculpture  
 522 Ginn and Co. Brief Course in Spanish

THE SCHOOL EXECUTIVE  
 470 Fourth Ave., New York 6, N. Y.

February, 1959

Please ask the manufacturers, indicated by the numbers I have circled, to send further literature and information provided there is no charge or obligation.

201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221  
 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242  
 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 262 263 264  
 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285  
 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306  
 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327  
 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 401 402 403 404  
 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425  
 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 420 521

Please send me the 1958-59 Edition of AMERICAN SCHOOL AND UNIVERSITY and bill me \$10.00

Also send literature on \_\_\_\_\_

NAME	TITLE		
INSTITUTION			
ADDRESS	CITY	ZONE	STATE

**PEABODY****NEW STUDENT LINE FURNITURE***Demands Fine Tops! They're **DECARLITE** Naturally!*

**YOU'LL FIND MODERN, PRACTICAL DECARLITE  
WHEREVER THE CALL IS FOR**

*Quality*  
• • • • •

Peabody all new complete student line of school furniture is adaptable to all modern educational needs in each room, adaptable from pupil to pupil and adaptable from room to room. Peabody uses modern Decarlite plastic tops to meet every requirement for beauty, durability and ease of maintenance on their new furniture line. More and more school furniture manufacturers, like Peabody, are now topping their products with high quality Decarlite.

**DECARLITE SURFACES SUBDU LIGHT REFLECTIONS**

Decar manufacturing process finishes tops to a specified light reflectance value that eliminates eye strain caused by glare. Decarlite meets or exceeds NEMA specifications.

Ask Your FURNITURE SUPPLIER ABOUT DECARLITE TOPS!

**USE-TESTED**

by **McCall's**

"we used it and we like it!"

Chair Desk Unit, Student Line Table, Bookkeeping Table, Book Box Desk Unit from Peabody New Complete School Furniture Line. Specially designed to give school administrators the most modern developments in school furniture.



**DECAR MANUFACTURES COMPLETE TOPS!**

Decar manufactures and sells plastic laminate sheets, fabricates plastic to wood for those manufacturers desiring unfinished tops, or shapes and finishes edges for a complete top service.

**DECAR**

**PLASTIC CORPORATION**

1212 NORTH CENTRAL PARK AVENUE, CHICAGO 51, ILLINOIS

Manufacturing: 1322 University Avenue, Middleton, Wisconsin

**PROJECT YOUR VOICE**

...like a Harpoon!



**AUDIO**  
**TP**  
**HAILER**<sup>®</sup>  
transistor-powered  
PORTABLE MEGAPHONE

New "TP" AUDIO HAILER uses 4 latest-type power transistors. Patented "anti-feed-back" design overcomes "howl" or "squeal". Costs far less than any portable voice equipment of similar power.

**AUDIO EQUIPMENT CO., Inc., Port Washington, N.Y.**

Send brochure and price list on Audio Hailer.  
 Have your local dealer make demonstration.

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

SCHOOL OR COLLEGE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY OR TOWN \_\_\_\_\_

ZONE (IF ANY) \_\_\_\_\_ STATE \_\_\_\_\_

